

# Chemical Resistance Chart

**PRESSOL**

**WARNING:** The Chemical Resistance Chart is for users reference only. Please contact your chemical or fluid suppliers to check for the compatibility with pump prior to installation and operation.

**RATINGS-CHEMICAL EFFECT**  
 A = No effect - Excellent  
 B = Minor effect - Good  
 C = Moderate effect - Fair  
 D = Severe effect - Not recommended  
 - = No test data available

| Fluids               | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|----------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                      | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Acetaldehyde5        | B             | C            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | B             | -      | A      | A        |  | B             | C            | -      |
| Acetamide            | -             | -            | B                   |  | -          | A                   | -          | -          |  | B                   | -      |  | -          | B                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Acetate Solvent2     | D             | B            | B                   |  | -          | A                   | A          | -          |  | B                   | A      |  | -          | B                   | A          | -          |  | D             | -      | A      | -        |  | D             | B            | -      |
| Acetic Acid, Glacia1 | B             | B            | B                   |  | A          | A                   | A          | -          |  | B                   | A      |  | A          | B                   | A          | -          |  | B             | -      | A      | -        |  | B             | B            | D      |
| Acetic Acid 20%      | A             | -            | B                   |  | A          | A                   | A          | A          |  | B                   | A      |  | A          | B                   | A          | A          |  | A             | A      | A      | -        |  | A             | -            | -      |
| Acetic Acid 80%      | B             | -            | B                   |  | -          | A                   | A          | A          |  | B                   | A      |  | -          | B                   | A          | A          |  | B             | A      | A      | -        |  | B             | -            | -      |
| Acetic Acid          | A             | B            | B                   |  | A          | A                   | A          | B          |  | B                   | A      |  | A          | B                   | A          | B          |  | A             | B      | A      | -        |  | A             | B            | D      |
| Acetic Anhydride     | A             | A            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | A             | D      | A      | A        |  | A             | A            | -      |
| Acetone6             | B             | C            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | B             | D      | A      | -        |  | B             | C            | A      |
| Acetyl Chloride      | -             | -            | C                   |  | A          | A                   | A          | -          |  | C                   | A      |  | A          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Acetylene2           | D             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | D             | -      | -      | A        |  | D             | -            | -      |
| Acrylonitrile        | B             | -            | A                   |  | A          | C                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | B             | -      | -      | -        |  | B             | -            | C      |
| Alcohol, Amyl        | B             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | A        |  | B             | B            | C      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                                  | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |   | 13 003        | 13 003       | 13 003 |
|---|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|---|---------------|--------------|--------|
|   | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |   | Polypropylene | Polyethylene | Steel  |
| Alcohol, Benzyl                         | A             | D            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |   | A             | D            | -      |
| Alcohol, Butyl                          | B             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | A        |   | B             | B            | C      |
| Alcohol, Diacetone2                     | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | A        |   | D             | -            | -      |
| Alcohol, Ethyl                          | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |   | A             | B            | B      |
| Alcohol, Hexyl                          | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |   | A             | -            | -      |
| Alcohol, Isobutyl                       | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | C        |   | A             | -            | -      |
| Alcohol, Isopropyl                      | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |   | A             | -            | C      |
| Alcohol, Methyl6                        | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |   | A             | B            | A      |
| Alcohol, Octyl                          | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |   | -             | -            | -      |
| Alcohol, Propyl                         | A             | -            | A                   |  | -          | A                   | A          | B          |  | A                   | A      |  | -          | A                   | A          | B          |  | A             | B      | A      | C        |   | A             | -            | -      |
| Aluminum Chloride 20%                   | A             | B            | D                   |  | A          | C                   | -          | -          |  | D                   | -      |  | A          | D                   | -          | -          |  | A             | -      | -      | D        |   | A             | B            | D      |
| Aluminum Chloride                       | A             | -            | D                   |  | A          | C                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | D        |   | A             | -            | D      |
| Aluminum Fluoride                       | A             | B            | D                   |  | -          | C                   | A          | A          |  | D                   | A      |  | -          | D                   | A          | A          |  | A             | A      | A      |          | A | B             | -            |        |
| Aluminum Hydroxide6                     | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | D      |
| Aluminum Potassium Sulfate (Alum), 10%  | -             | A            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |   | -             | A            | D      |
| Aluminum Potassium Sulfate (Alum), 100% | A             | B            | D                   |  | -          | A                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | A             | -      | A      | -        |   | A             | B            | -      |
| Aluminum Sulfate                        | A             | B            | C                   |  | A          | C                   | A          | A          |  | C                   | A      |  | A          | C                   | A          | A          |  | A             | A      | A      | A        |   | A             | B            | D      |
| Amines                                  | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |   | -             | -            | -      |
| Ammonia 10%                             | A             | -            | -                   |  | A          | A                   | A          | D          |  | -                   | A      |  | A          | -                   | A          | D          |  | A             | D      | A      | -        |   | A             | -            | -      |

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| Fluids                       | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                              | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Ammonia, Anhydrous           | A             | B            | B                   |  | B          | A                   | A          | D          |  | B                   | A      |  | B          | B                   | A          | D          |  | A             | D      | A      | A        |  | A             | B            | D      |
| Ammonia, Liquids             | A             | D            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | D            | -      |
| Ammonia, Nitrate             | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |
| Ammonium Bifluoride          | A             | -            | C                   |  | -          | A                   | -          | -          |  | C                   | -      |  | -          | C                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |
| Ammonium Carbonate           | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | -            | C      |
| Ammonium Casenite            | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Ammonium Chloride            | A             | B            | A                   |  | A          | C                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Ammonium Hydroxide           | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | -      |
| Ammonium Nitrate             | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | C        |  | A             | B            | -      |
| Ammonium Oxalate             | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Ammonium Persulfate          | A             | -            | A                   |  | -          | A                   | A          | D          |  | A                   | A      |  | -          | A                   | A          | D          |  | A             | D      | A      | C        |  | A             | -            | D      |
| Ammonium Phosphate,Dibasic   | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | -      |
| Ammonium Phosphate,Monobasic | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | -      |
| Ammonium Phosphate,Tribasic  | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | C      |
| Ammonium Sulfate             | A             | B            | D                   |  | A          | B                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | C      |
| Ammonium Thio-Sulfate        | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | D      |
| Amyl-Acetate                 | D             | D            | A                   |  | A          | A                   | A          | C          |  | A                   | A      |  | A          | A                   | A          | C          |  | D             | C      | A      | -        |  | D             | D            | -      |
| Amyl Alcohol                 | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Amyl Chloride                | D             | D            | C                   |  | -          | B                   | A          | A          |  | C                   | A      |  | -          | C                   | A          | A          |  | D             | A      | A      | -        |  | D             | D            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                          | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|---------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                 | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Aniline                         | B             | C            | A                   |  | A          | A                   | A          | C          |  | A                   | A      |  | A          | A                   | A          | C          |  | B             | C      | A      | -        |  | B             | C            | -      |
| Antifreeze                      | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | B        |  | A             | B            | B      |
| Antimony Trichloride            | -             | A            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | -      |
| Aqua Regia<br>(80%,HCL,20%,HNO) | C             | D            | D                   |  | -          | D                   | A          | C          |  | D                   | A      |  | -          | D                   | A          | C          |  | C             | C      | A      | D        |  | C             | D            | -      |
| Arochlor 1248                   | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Aromatic Hydrocarbons           | -             | C            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | A        |  | -             | C            | -      |
| Arsenic Acid                    | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Asphalt                         | A             | -            | B                   |  | A          | A                   | -          | -          |  | B                   | -      |  | A          | B                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | C      |
| Barium Carbonate                | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | -      |
| Barium Chloride                 | A             | B            | D                   |  | A          | A                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Barium Cyanide                  | -             | B            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | B            | -      |
| Barium Hydroxide                | A             | B            | C                   |  | A          | A                   | A          | A          |  | C                   | A      |  | A          | C                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | C      |
| Barium Nitrate                  | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | -            | -      |
| Barium Sulfate                  | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | C      |
| Barium Sulfide                  | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | C      |
| Beer2                           | D             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | D             | A      | A      | A        |  | D             | B            | D      |
| Beet Sugar Liquids              | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | A      |
| Benzaldehyde3                   | D             | D            | A                   |  | A          | A                   | A          | C          |  | A                   | A      |  | A          | A                   | A          | C          |  | D             | C      | A      | -        |  | D             | D            | -      |
| Benzene2                        | D             | D            | A                   |  | A          | A                   | A          | B          |  | A                   | A      |  | A          | A                   | A          | B          |  | D             | B      | A      | C        |  | D             | D            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-----------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                       | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Benzoic Acid2         | D             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | D             | A      | A      | C        |  | D             | B            | D      |
| Benzol                | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Borax (Sodium Borate) | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | -      |
| Boric Acid            | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Brewery Slop          | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | -      |
| Bromine2 (wet)        | D             | D            | D                   |  | D          | D                   | A          | A          |  | D                   | A      |  | D          | D                   | A          | A          |  | D             | A      | A      | D        |  | D             | D            | D      |
| Butadiene             | -             | -            | A                   |  | B          | A                   | A          | A          |  | A                   | A      |  | B          | A                   | A          | A          |  | -             | A      | A      | -        |  | -             | -            | C      |
| Butane1 2             | D             | C            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | -        |  | D             | C            | C      |
| Butanol               | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Butter                | -             | -            | B                   |  | -          | A                   | -          | -          |  | B                   | -      |  | -          | B                   | -          | -          |  | -             | -      | -      | D        |  | -             | -            | D      |
| Buttermilk            | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | D      |
| Butylene              | -             | -            | B                   |  | A          | A                   | A          | -          |  | B                   | A      |  | A          | B                   | A          | -          |  | -             | -      | A      | A        |  | -             | -            | -      |
| Butyl Acetate1        | D             | C            | -                   |  | A          | C                   | A          | C          |  | -                   | A      |  | A          | -                   | A          | C          |  | D             | C      | A      | D        |  | D             | C            | -      |
| Butyric Acid1         | A             | -            | B                   |  | -          | A                   | A          | A          |  | B                   | A      |  | -          | B                   | A          | A          |  | A             | A      | A      | A        |  | A             | -            | D      |
| Calcium Bisulfate     | -             | -            | D                   |  | -          | A                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | D      |
| Calcium Bisulfide     | A             | B            | -                   |  | -          | B                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | -      |
| Calcium Bisulfite     | A             | -            | B                   |  | -          | A                   | A          | A          |  | B                   | A      |  | -          | B                   | A          | A          |  | A             | A      | A      | -        |  | A             | -            | -      |
| Calcium Carbonate     | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | D      |
| Calcium Chlorate      | -             | A            | B                   |  | -          | A                   | A          | -          |  | B                   | A      |  | -          | B                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | -      |

# Chemical Resistance Chart

**PRESSOL**

|                                     | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-------------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                     | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Fluids                              |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Calcium Chloride                    | A             | B            | A                   |  | A          | D                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | C      |
| Calcium Hydroxide                   | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | -      |
| Calcium Hypochlorite                | A             | B            | D                   |  | -          | C                   | A          | A          |  | D                   | A      |  | -          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Calcium Sulfate                     | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      |          |  | A             | B            | -      |
| Calgon                              | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | D      |
| Cane Juice <sup>2</sup>             | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | A        |  | D             | -            | -      |
| Carbolic Acid (See Phenol)          |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Carbon Bisulfide <sup>2</sup>       | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | -      |
| Carbon Dioxide (wet)                | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | C      |
| Carbon Disulfide <sup>2</sup>       | D             | D            | B                   |  | A          | A                   | A          | -          |  | B                   | A      |  | A          | B                   | A          | -          |  | D             | -      | A      | -        |  | D             | D            | -      |
| Carbon Monoxide                     | A             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | B            | -      |
| Carbon Tetrachloride <sup>1 2</sup> | D             | D            | B                   |  | C          | B                   | A          | A          |  | B                   | A      |  | C          | B                   | A          | A          |  | D             | A      | A      | A        |  | D             | D            | C      |
| Carbonated Water                    | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | D      |
| Carbonic Acid                       | A             | B            | A                   |  | -          | B                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Catsup                              | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | D      |
| Chloroacetic Acid <sup>2</sup>      | D             | D            | D                   |  | -          | D                   | A          | D          |  | D                   | A      |  | -          | D                   | A          | D          |  | D             | D      | A      | -        |  | D             | D            | D      |
| Chloric Acid                        | -             | -            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | D        |  | -             | -            | -      |
| Chlorinated Glue                    | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | -            | D      |
| Chlorine, Anhydrous Liquid          | D             | D            | D                   |  | C          | D                   | A          | -          |  | D                   | A      |  | C          | D                   | A          | -          |  | D             | -      | A      | -        |  | D             | D            | C      |
| Chlorine (dry)                      | -             | -            | A                   |  | C          | A                   | A          | -          |  | A                   | A      |  | C          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                       | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                              | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Chlorine Water               | D             | -            | -                   |  | C          | D                   | A          | A          |  | -                   | A      |  | C          | -                   | A          | A          |  | D             | A      | A      | -        |  | D             | -            | D      |
| Chlorobenzene (Mono)         | D             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | -        |  | D             | D            | -      |
| Chloroform                   | D             | D            | A                   |  | C          | A                   | A          | C          |  | A                   | A      |  | C          | A                   | A          | C          |  | D             | C      | A      |          |  | D             | D            | D      |
| Chlorosulfonic Acid1         | D             | D            | D                   |  | D          | -                   | A          | D          |  | D                   | A      |  | D          | D                   | A          | D          |  | D             | D      | A      | -        |  | D             | D            | -      |
| Chlorox (Bleach)             | D             | -            | A                   |  | C          | A                   | A          | -          |  | A                   | A      |  | C          | A                   | A          | -          |  | D             | -      | A      | D        |  | D             | -            | D      |
| Chocolate Syrup              | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | D      |
| Chromic Acid 5%              | A             | B            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | A             | -      | -      | C        |  | A             | B            | D      |
| Chromic Acid 10%             | A             | -            | B                   |  | -          | -                   | A          | A          |  | B                   | A      |  | -          | B                   | A          | A          |  | A             | A      | A      | -        |  | A             | -            | -      |
| Chromic Acid 30%             | A             | -            | B                   |  | -          | -                   | A          | B          |  | B                   | A      |  | -          | B                   | A          | B          |  | A             | B      | A      | -        |  | A             | -            | -      |
| Chromic Acid 50%             | B             | C            | B                   |  | B          | B                   | A          | C          |  | B                   | A      |  | B          | B                   | A          | C          |  | B             | C      | A      | C        |  | B             | C            | D      |
| Cider                        | -             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | B            | D      |
| Citric Acid                  | B             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | B             | A      | A      | B        |  | B             | B            | D      |
| Citric Oils                  | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |
| Coffee                       | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | C      |
| Copper Chloride              | A             | B            | D                   |  | A          | D                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | D      |
| Copper Cyanide               | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | B        |  | A             | B            | D      |
| Copper Fluoborate            | -             | A            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | B        |  | -             | A            | D      |
| Copper Nitrate               | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Copper Sulfate (5% Solution) | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | D      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                          | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|---------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                 | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Copper Sulfate                  | A             | -            | B                   |  | -          | -                   | A          | A          |  | B                   | A      |  | -          | B                   | A          | A          |  | A             | A      | A      | B        |  | A             | -            | -      |
| Cream                           | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | B        |  | A             | -            | D      |
| Cresols2                        | C             | D            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | C             | -      | -      | -        |  | C             | D            | -      |
| Cresylic Acid                   | -             | C            | A                   |  | -          | A                   | A          | B          |  | A                   | A      |  | -          | A                   | A          | B          |  | -             | B      | A      | -        |  | -             | C            | -      |
| Cyclohexane                     | D             | -            | A                   |  | A          | -                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | -      |
| Cyanic Acid                     | -             | -            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Detergents                      | A             | B            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | B            | -      |
| Dichlorethane                   | -             | D            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | D            | -      |
| Diesel Fuel                     | D             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | A      |
| Diethylamine                    | C             | -            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | C             | -      | A      | -        |  | C             | -            | -      |
| Diethylene Glycol               | -             | B            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | B            | -      |
| Diphenyl Oxide                  | -             | -            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Dyes                            | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Epsom Salts (Magnesium Sulfate) | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |
| Ethane                          | -             | -            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Ethanolamine                    | -             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | -             | -      | -      | B        |  | -             | -            | -      |
| Ether3                          | -             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Ethyl Acetate2                  | C             | C            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | C             | D      | A      | A        |  | C             | C            | -      |
| Ethyl Chloride                  | D             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | D        |  | D             | D            | C      |



# Chemical Resistance Chart

**PRESSOL**

| Fluids                         | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|--------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Ethyl Sulfate                  | -             | -            | D                   |  | -          | -                   | -          | -          |  | D                   | -      |  | -          | D                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Ethylene Chloride <sup>2</sup> | D             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | D             | -      | A      | -        |  | D             | -            | C      |
| Ethylene Dichloride            | A             | D            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | D            | -      |
| Ethylene Glycol <sup>4</sup>   | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | B        |  | A             | B            | B      |
| Ethylene Oxide                 | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Fatty Acids                    | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | D      |
| Ferric Chloride                | A             | B            | D                   |  | A          | D                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | B        |  | A             | B            | D      |
| Ferric Nitrate                 | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | -      |
| Ferric Sulfate                 | A             | -            | A                   |  | A          | C                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | -            | D      |
| Ferrous Chloride               | A             | B            | D                   |  | A          | D                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Ferrous Sulfate                | A             | B            | A                   |  | A          | C                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Fluoboric Acid                 | A             | B            | D                   |  | -          | B                   | A          | A          |  | D                   | A      |  | -          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Fluorine                       | -             | C            | D                   |  | -          | D                   | C          | -          |  | D                   | C      |  | -          | D                   | C          | -          |  | -             | -      | C      | -        |  | -             | C            | D      |
| Fluosilicic Acid               | A             | B            | -                   |  | -          | B                   | A          | A          |  | -                   | A      |  | -          | -                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | D      |
| Formaldehyde 40%               | A             | -            | -                   |  | A          | A                   | A          | B          |  | -                   | A      |  | A          | -                   | A          | B          |  | A             | B      | A      | -        |  | A             | -            | -      |
| Formaldehyde                   | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | C        |  | A             | B            | D      |
| Formic Acid <sup>6</sup>       | A             | B            | A                   |  | A          | B                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | B        |  | A             | B            | D      |
| Fruit Juice                    | A             | B            | A                   |  | -          | A                   | D          | -          |  | A                   | D      |  | -          | A                   | D          | -          |  | A             | -      | D      | -        |  | A             | B            | D      |
| Fuel Oils                      | B             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | -        |  | B             | D            | C      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                      | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-----------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                             | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Furan Resin                 | -             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | -             | -      | A      | A        |  | -             | -            | A      |
| Furfural1                   | D             | D            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | D             | D      | A      | A        |  | D             | D            | -      |
| Gallic Acid                 | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | D      |
| Gasoline1 4                 | C             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | C             | A      | A      | B        |  | C             | D            | C      |
| Gelatin                     | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | -            | D      |
| Glucose                     | A             | B            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | -      |
| Glue P.V.A.1                | -             | -            | B                   |  | -          | A                   | A          | -          |  | B                   | A      |  | -          | B                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Glycerine                   | A             | -            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | -            | -      |
| Glycolic Acid               | A             | B            | -                   |  | A          | -                   | -          | -          |  | -                   | -      |  | A          | -                   | -          | -          |  | A             | -      | -      | -        |  | A             | B            | -      |
| Gold Monocyanide            | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | D      |
| Grape Juice                 | -             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | B            | D      |
| Grease4                     | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Heptane1                    | D             | D            | -                   |  | A          | A                   | A          | A          |  | -                   | A      |  | A          | -                   | A          | A          |  | D             | A      | A      | -        |  | D             | D            | -      |
| Hexane1                     | C             | -            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | C             | A      | A      | -        |  | C             | -            | -      |
| Honey                       | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | A      |
| Hydraulic oils (Petroleum)1 | D             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | D             | -      | A      | -        |  | D             | -            | -      |
| Hydraulic Oils (Synthetic)1 | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | A      |
| Hydrazine                   | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | C      |
| Hydrobromic Acid 20%        | A             | -            | -                   |  | -          | D                   | A          | A          |  | -                   | A      |  | -          | -                   | A          | A          |  | A             | A      | A      | -        |  | A             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

|  | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|--|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|  | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| <b>Fluids</b>                                |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Hydrobromic Acid <sup>4</sup>                | B             | B            | D                   |  | -          | D                   | A          | A          |  | D                   | A      |  | -          | D                   | A          | A          |  | B             | A      | A      | D        |  | B             | B            | D      |
| Hydrochloric/Muratic Acid (Dry gas)          | -             | -            | C                   |  | -          | A                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Hydrochloric/Muratic Acid (20%) <sup>4</sup> | A             | A            | D                   |  | D          | D                   | A          | A          |  | D                   | A      |  | D          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | A            | D      |
| Hydrochloric/Muratic Acid (37%) <sup>4</sup> | A             | A            | D                   |  | D          | D                   | A          | A          |  | D                   | A      |  | D          | D                   | A          | A          |  | A             | A      | A      | C        |  | A             | A            | D      |
| Hydrochloric/Muratic Acid (100%)             | -             | A            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | D      |
| Hydrocyanic Acid                             | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | -      |
| Hydrocyanic Acid (Gas 10%)                   | -             | -            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Hydrofluoric Acid (20%) <sup>1</sup>         | A             | C            | D                   |  | C          | D                   | A          | -          |  | D                   | A      |  | C          | D                   | A          | -          |  | A             | -      | A      | D        |  | A             | C            | D      |
| Hydrofluoric Acid (75%) <sup>1 2</sup>       | B             | C            | C                   |  | C          | D                   | A          | A          |  | C                   | A      |  | C          | C                   | A          | A          |  | B             | A      | A      | D        |  | B             | C            | D      |
| Hydrofluoric Acid 100%                       | -             | D            | B                   |  | C          | B                   | A          | -          |  | B                   | A      |  | C          | B                   | A          | -          |  | -             | -      | A      | -        |  | -             | D            | D      |
| Hydrofluosilicic Acid (20%)                  | A             | -            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | A             | -      | A      | D        |  | A             | -            | D      |
| Hydrofluosilicic Acid                        | -             | -            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Hydrogen Gas                                 | -             | -            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | -             | A      | A      | -        |  | -             | -            | -      |
| Hydrogen Peroxide 10%                        | -             | A            | C                   |  | B          | C                   | A          | -          |  | C                   | A      |  | B          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | D      |
| Hydrogen Peroxide 30%                        | A             | -            | -                   |  | C          | B                   | A          | -          |  | -                   | A      |  | C          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Hydrogen Peroxide                            | A             | B            | A                   |  | C          | B                   | A          | C          |  | A                   | A      |  | C          | A                   | A          | C          |  | A             | C      | A      | D        |  | A             | B            | D      |
| Hydrogen Sulfide, Aqueous Solution           | A             | B            | D                   |  | A          | A                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | D      |
| Hydrogen Sulfide (dry)                       | -             | -            | C                   |  | A          | A                   | A          | -          |  | C                   | A      |  | A          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

|                          | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |  |
|--------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|--|
|                          | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |  |
| <b>Fluids</b>            |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |  |
| Hydroxyacetic Acid (70%) | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |  |
| Ink                      | -             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | B            | D      |  |
| Iodine                   | D             | D            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | D             | -      | A      | -        |  | D             | D            | D      |  |
| Iodine (In Alcohol)      | B             | -            | -                   |  | -          | B                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | B             | -      | A      | -        |  | B             | -            | -      |  |
| Iodoform                 | -             | -            | C                   |  | -          | A                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | C      |  |
| Isotane2                 | D             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | -      |  |
| Isopropyl Acetate        | -             | -            | -                   |  | -          | B                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |  |
| Isopropyl Ether2         | D             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | D             | -      | A      | -        |  | D             | -            | -      |  |
| Jet Fuel (JP#,JP4,JP5)   | D             | -            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | D        |  | D             | -            | A      |  |
| Kerosene2                | D             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | A        |  | D             | D            | D      |  |
| Ketones                  | D             | D            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | D             | D      | A      | A        |  | D             | D            | D      |  |
| Lacquers                 | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | C      |  |
| Lacquer Thinners         | B             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | B             | -      | A      | -        |  | B             | -            | -      |  |
| Lactic Acid              | A             | B            | A                   |  | A          | B                   | A          | C          |  | A                   | A      |  | A          | A                   | A          | C          |  | A             | C      | A      | -        |  | A             | B            | D      |  |
| Lard                     | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | -      |  |
| Latex                    | -             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | B            | -      |  |
| Lead Acetate             | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | -      |  |
| Lead Sulfamate           | A             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |  |
| Ligroin3                 | D             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | -      |  |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                              | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-------------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                     | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Lime                                | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | -            | -      |
| Lubricants                          | A             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Magnesium Carbonate                 | A             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | B            | -      |
| Magnesium Chloride                  | A             | B            | B                   |  | A          | B                   | A          | -          |  | B                   | A      |  | A          | B                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | D      |
| Magnesium Hydroxide                 | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | -      |
| Magnesium Nitrate                   | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | -      |
| Magnesium Oxide                     | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Magnesium Sulfate                   | A             | B            | B                   |  | A          | A                   | A          | -          |  | B                   | A      |  | A          | B                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | C      |
| Maleic Acid                         | C             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | C             | -      | A      | -        |  | C             | -            | -      |
| Maleic Anhydride                    | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Malic Acid                          | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Mash                                | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Mayonnaise                          | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | D      |
| Melamine                            | -             | -            | D                   |  | -          | D                   | -          | -          |  | D                   | -      |  | -          | D                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Mercuric Chloride (Dilute Solution) | A             | B            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | D      |
| Mercuric Cyanide                    | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      |          |  | A             | B            | -      |
| Mercury                             | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | B            | -      |
| Methanol (See Alcohol Methyl)       |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Methyl Acetate                      | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

|                         | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                         | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Methyl Acrylate         | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Methyl Acetone          | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Methyl Alcohol 10%      | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Methyl Bromide          | -             | D            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | D            | -      |
| Methyl Butyl Ketone     | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Methyl Cellosolve       | A             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |
| Methyl Chloride         | D             | D            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | D             | A      | A      | -        |  | D             | D            | -      |
| Methyl Dichloride       | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Methyl Ethyl Ketone     | A             | D            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | A             | D      | A      | A        |  | A             | D            | -      |
| Methyl Isobutyl Ketone2 | C             | -            | -                   |  | A          | A                   | A          | D          |  | -                   | A      |  | A          | -                   | A          | D          |  | C             | D      | A      | -        |  | C             | -            | -      |
| Methyl Isopropyl Ketone | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Methyl Methacrylate     | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Methylamine             | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Methylene Chloride      | B             | D            | B                   |  | A          | B                   | A          | D          |  | B                   | A      |  | A          | B                   | A          | D          |  | B             | D      | A      | -        |  | B             | D            | -      |
| Milk                    | A             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | B            | D      |
| Molasses                | A             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | B            | -      |
| Mustard                 | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | C      |
| Naphtha                 | A             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | D            | -      |
| Naphthalene             | B             | D            | A                   |  | A          | B                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | A        |  | B             | D            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                              | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-------------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                     | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Nickel Chloride                     | A             | B            | A                   |  | -          | B                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Nickel Sulfate                      | A             | B            | A                   |  | -          | B                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | C        |  | A             | B            | D      |
| Nitric Acid (10% Solution)          | A             | B            | A                   |  | D          | A                   | A          | A          |  | A                   | A      |  | D          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | D      |
| Nitric Acid (20% Solution)          | A             | B            | A                   |  | C          | A                   | A          | B          |  | A                   | A      |  | C          | A                   | A          | B          |  | A             | B      | A      | -        |  | A             | B            | D      |
| Nitric Acid (50% Solution)          | D             | C            | A                   |  | C          | A                   | A          | B          |  | A                   | A      |  | C          | A                   | A          | B          |  | D             | B      | A      | -        |  | D             | C            | D      |
| Nitric Acid (Concentrated Solution) | D             | D            | D                   |  | C          | B                   | A          | -          |  | D                   | A      |  | C          | D                   | A          | -          |  | D             | -      | A      | -        |  | D             | D            | D      |
| Nitrobenzene2                       | C             | D            | A                   |  | B          | B                   | A          | D          |  | A                   | A      |  | B          | A                   | A          | D          |  | C             | D      | A      | -        |  | C             | D            | -      |
| Oil, Aniline                        | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | -            | A      |
| Oil, Anise                          | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Oil, Bay                            | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Oil, Bone                           | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Oil, Castor                         | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | B      |
| Oil, Cinnamon                       | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Oil, Citric                         | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | D      |
| Oil, Clove                          | B             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | B             | -      | -      | A        |  | B             | -            | -      |
| Oil, Coconut                        | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | B      |
| Oil, Cod Liver                      | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |
| Oil, Corn                           | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | B      |
| Oil, Cotton Seed                    | A             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | B      |

# Chemical Resistance Chart

**PRESSOL**

|                                | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |  |
|--------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|--|
|                                | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |  |
| Fluids                         |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |  |
| Oil, Creosote2                 | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | -        |  | D             | -            | -      |  |
| Oil, Diesel Fuel (2D,3D,4D,5D) | A             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |  |
| Oil, Fuel (1,2,3,5A,5B,6)      | B             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | B             | -      | A      | -        |  | B             | -            | -      |  |
| Oil, Ginger                    | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | -      |  |
| Oil, Hydraulic(See Hydraulic)  |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |  |
| Oil, Lemon                     | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | A        |  | D             | -            | -      |  |
| Oil, Linseed                   | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | B      |  |
| Oil, Mineral                   | B             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | B             | -      | -      | A        |  | B             | -            | B      |  |
| Oil, Olive                     | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | B      |  |
| Oil, Orange                    | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |  |
| Oil, Palm                      | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | -      |  |
| Oil, Peanut3                   | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | A        |  | D             | -            | B      |  |
| Oil, Peppermint2               | D             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | D             | -      | -      | A        |  | D             | -            | -      |  |
| Oil, Pine                      | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | A        |  | -             | -            | C      |  |
| Oil, Rape Seed                 | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | -      |  |
| Oil, Rosin                     | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |  |
| Oil, Sesame Seed               | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | B      |  |
| Oil, Silicone                  | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |  |
| Oil, Soybean                   | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | B      |  |
| Oil, Sperm                     | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | -      |  |



# Chemical Resistance Chart

**PRESSOL**

|                                       | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|---------------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                       | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Oil, Tanning                          | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | -      |
| Oil, Turbine                          | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | B      |
| Oleic Acid                            | C             | D            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | C             | -      | A      | -        |  | C             | D            | C      |
| Oleum 25%                             | -             | -            | -                   |  | -          | -                   | A          | B          |  | -                   | A      |  | -          | -                   | A          | B          |  | -             | B      | A      | -        |  | -             | -            | -      |
| Oleum                                 | D             | -            | -                   |  | -          | A                   | A          | D          |  | -                   | A      |  | -          | -                   | A          | D          |  | D             | D      | A      | -        |  | D             | -            | -      |
| Oxalic Acid (cold)                    | A             | A            | A                   |  | -          | B                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | A            | D      |
| Paraffin                              | A             | -            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | -            | -      |
| Pentane                               | -             | -            | C                   |  | -          | C                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Perchloroethylene2                    | D             | -            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | D        |  | D             | -            | -      |
| Petrolatum                            | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | C      |
| Phenol 10%                            | -             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Phenol (Carbolic Acid)                | B             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | D        |  | B             | D            | D      |
| Phosphoric Acid (40% Solution)        | A             | B            | B                   |  | A          | A                   | A          | -          |  | B                   | A      |  | A          | B                   | A          | -          |  | A             | -      | A      | -        |  | A             | B            | D      |
| Phosphoric Acid (40% - 100% Solution) | A             | C            | C                   |  | A          | B                   | A          | -          |  | C                   | A      |  | A          | C                   | A          | -          |  | A             | -      | A      | -        |  | A             | C            | D      |
| Phosphoric Acid (Crude)               | -             | C            | D                   |  | A          | C                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | -             | A      | A      | D        |  | -             | C            | D      |
| Phosphoric Anhydride (Dry or Moist)   | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Phosphoric Anhydride (Molten)         | -             | D            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | D            | -      |
| Photographic (Developer)              | A             | B            | C                   |  | -          | A                   | -          | -          |  | C                   | -      |  | -          | C                   | -          | -          |  | A             | -      | -      | A        |  | A             | B            | D      |
| Phthalic Anhydride                    | -             | -            | A                   |  | -          | B                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | C      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                          | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |   | 13 003        | 13 003       | 13 003 |
|---------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|---|---------------|--------------|--------|
|                                 | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |   | Polypropylene | Polyethylene | Steel  |
| Picric Acid                     | -             | A            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |   | -             | A            | D      |
| Plating Solutions               |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |   |               |              |        |
| Antimony Plating 130°F          | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Arsenic Plating 110°F           | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Brass Plating                   |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |   |               |              |        |
| Regular Brass Bath 100°F        | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| High Speed Brass Bath 110°F     | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |   | A             | -            | -      |
| Bronze Plating                  |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |   |               |              |        |
| Copper Cadmium Bronze Bath R.T. | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Copper-Tin Bronze Bath 160°F    | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Copper-Zinc Bronze Bath 100°F   | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Cadmium Plating                 |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |   |               |              |        |
| Cyanide Bath 90°F               | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |   | A             | -            | -      |
| Fluoborate Bath 100°F           | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Chromium Plating                |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |   |               |              |        |
| Chromic-Sulfuric Bath 130°F     | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |   | A             | -            | -      |
| Fluosilicate Bath 95°F          | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      |          | A | -             | -            |        |
| Fluoride Bath 130 °F            | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |   | A             | -            | -      |
| Black Chrome Bath 115°F         | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |   | A             | -            | -      |
| Barrel Chrome Bath 95°F         | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |   | A             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                         | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|--------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Copper Plating (Cyanide)       |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Copper Strike Bath 120°F       | -             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Rochelle Salt Bath 150°F       | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| High Speed Bath 180°F          | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Copper Plating (Acid)          |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Copper Sulfate Bath R.T.       | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Copper Fluoroborate Bath 120°F | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Copper (Misc.)                 |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Copper Pyrophosphate 140°F     | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Copper (Electroless) 140°F     | A             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Gold Plating                   |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Cyanide 150°F                  | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Neutral 75°F                   | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Acid 75°F                      | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Indium Sulfamate Plating       | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Iron Plating                   |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Ferrous Chloride Bath 190°F    | C             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | C             | -      | A      | -        |  | C             | -            | -      |
| Ferrous Sulfate Bath 150°F     | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Ferrous Am. Sulfate Bath 150°F | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Sulfate-Chloride Bath 160°F    | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                       | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |  |  |
|------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|--|--|
|                              | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |  |  |
| Fluoborate Bath 145°F        | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Sulfamate 140°F              | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Lead Fluoborate Plating      | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |  |  |
| Nickel Plating               |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |  |  |
| Watts Type 115-160°F         | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| High Chloride 130-160°F      | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Fluoborate 100-170°F         | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |  |  |
| Sulfamate 140°F              | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Electroless 200°F            | D             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | D             | -      | A      | -        |  | D             | -            | -      |  |  |
| Rhodium Plating 120°F        | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Silver Plating 80-120°F      | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |  |  |
| Tin-Fluoborate Plating 100°F | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |  |  |
| Tine-Lead Plating 100°F      | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Zinc Plating                 |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |  |  |
| Acid Chloride 140°F          | A             | -            | -                   |  | -          | D                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Acid Sulfate Bath 150°F      | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |  |  |
| Acid Fluoborate Bath R.T.    | A             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Alkaline Cyanide Bath R.T.   | A             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |  |  |
| Potash                       | A             | B            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | C        |  | A             | B            | -      |  |  |
| Potassium Bicarbonate        | A             | B            | A                   |  | A          | -                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |  |  |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                      | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|-----------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                             | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Potassium Bromide           | A             | B            | A                   |  | C          | -                   | A          | A          |  | A                   | A      |  | C          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | D      |
| Potassium Carbonate         | A             | B            | A                   |  | A          | -                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Potassium Chlorate          | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      |          |  | A             | B            | -      |
| Potassium Chloride          | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Potassium Chromate          | -             | B            | -                   |  | A          | B                   | -          | -          |  | -                   | -      |  | A          | -                   | -          | -          |  | -             | -      | -      | D        |  | -             | B            | -      |
| Potassium Cyanide Solutions | A             | B            | A                   |  | A          | B                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | -      |
| Potassium Dichromate        | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | -      |
| Potassium Ferrocyanide      | -             | A            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | -      |
| Potassium Hydroxide (50%)   | A             | B            | B                   |  | A          | B                   | A          | D          |  | B                   | A      |  | A          | B                   | A          | D          |  | A             | D      | A      | C        |  | A             | B            | C      |
| Potassium Nitrate           | A             | B            | A                   |  | C          | B                   | A          | A          |  | A                   | A      |  | C          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | -      |
| Potassium Permanganate      | B             | B            | A                   |  | A          | B                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | A        |  | B             | B            | -      |
| Potassium Sulfate           | A             | B            | A                   |  | A          | B                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Potassium Sulfide           | -             | -            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Propane (Liquified)1 2      | D             | -            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | D             | -      | A      | -        |  | D             | -            | -      |
| Propylene Glycol            | -             | B            | B                   |  | -          | -                   | A          | -          |  | B                   | A      |  | -          | B                   | A          | -          |  | -             | -      | A      | A        |  | -             | B            | -      |
| Pyridine                    | B             | C            | C                   |  | A          | -                   | A          | D          |  | C                   | A      |  | A          | C                   | A          | D          |  | B             | D      | A      | -        |  | B             | C            | -      |
| Pyrogalllic Acid            | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Rosins                      | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Rum                         | A             | -            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                          | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|---------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                 | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Rust Inhibitors                 | A             | -            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | -      |
| Salad Dressing                  | A             | -            | A                   |  | -          | -                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | D        |  | A             | -            | D      |
| Sea Water                       | A             | B            | A                   |  | -          | C                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | -      |
| Shellac (Bleached)              | A             | -            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Shellac (Orange)                | A             | -            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | C      |
| Silicone                        | A             | -            | B                   |  | -          | -                   | -          | -          |  | B                   | -      |  | -          | B                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |
| Silver Bromide                  | -             | -            | C                   |  | -          | C                   | -          | -          |  | C                   | -      |  | -          | C                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Silver Nitrate                  | A             | B            | A                   |  | -          | B                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Soap Solutions <sup>1</sup>     | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | C      |
| Soda Ash (See Sodium Carbonate) |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Sodium Acetate                  | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | C      |
| Sodium Aluminate                | -             | -            | -                   |  | A          | -                   | A          | -          |  | -                   | A      |  | A          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Sodium Bicarbonate              | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | C      |
| Sodium Bisulfate                | A             | B            | A                   |  | A          | -                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Sodium Bisulfite                | A             | B            | A                   |  | A          | -                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | D      |
| Sodium Borate                   | -             | A            | A                   |  | -          | -                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | C      |
| Sodium Carbonate                | A             | B            | A                   |  | A          | B                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | -      |
| Sodium Chlorate                 | A             | B            | A                   |  | A          | -                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | -      |
| Sodium Chloride                 | A             | B            | A                   |  | A          | C                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                                    | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|---|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|   | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Sodium Chromate                           | A             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | -            | -      |
| Sodium Cyanide                            | A             | B            | A                   |  | A          | -                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Sodium Fluoride                           | -             | C            | C                   |  | -          | -                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | C            | D      |
| Sodium Hydrosulfite                       | -             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Sodium Hydroxide/Caustic Soda (20%)       | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | C        |  | A             | B            | -      |
| Sodium Hydroxide/Caustic Soda (50%)       | A             | C            | A                   |  | B          | B                   | A          | D          |  | A                   | A      |  | B          | A                   | A          | D          |  | A             | D      | A      | D        |  | A             | C            | -      |
| Sodium Hydroxide/Caustic Soda (80%)       | A             | C            | A                   |  | B          | D                   | A          | -          |  | A                   | A      |  | B          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | C            | C      |
| Sodium Hypochlorite/Bleach3 (to 20%)      | C             | B            | C                   |  | C          | C                   | A          | -          |  | C                   | A      |  | C          | C                   | A          | -          |  | C             | -      | A      | D        |  | C             | B            | D      |
| Sodium Hypochlorite/Bleach                | C             | -            | -                   |  | C          | D                   | A          | A          |  | -                   | A      |  | C          | -                   | A          | A          |  | C             | A      | A      | -        |  | C             | -            | D      |
| Sodium Hyposulfate                        | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Sodium Metaphosphate2                     | D             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | D             | -      | A      | A        |  | D             | -            | -      |
| Sodium Metasilicate                       | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      |          |  | -             | -            | C      |
| Sodium Nitrate                            | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | -      |
| Sodium Perborate                          | A             | -            | -                   |  | -          | C                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Sodium Peroxide                           | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | A        |  | -             | -            | D      |
| Sodium Polyphosphate (Mono, Di, Tribasic) | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | A        |  | -             | -            | -      |
| Sodium Silicate                           | A             | -            | A                   |  | -          | B                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | -      |
| Sodium Sulfate                            | A             | B            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                       | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                              | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Sodium Sulfide               | A             | B            | A                   |  | A          | B                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | D        |  | A             | B            | -      |
| Sodium Sulfite               | -             | A            | C                   |  | -          | C                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | -             | -      | A      | A        |  | -             | A            | -      |
| Sodium Tetraborate           | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Sodium Thiosulphate ("Hypo") | A             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | C      |
| Sorghum                      | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | -            | -      |
| Soy Sauce                    | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | D        |  | -             | -            | D      |
| Stannic Chloride             | A             | B            | D                   |  | -          | D                   | A          | A          |  | D                   | A      |  | -          | D                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | D      |
| Stannic Fluoborate           | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | D      |
| Stannous Chloride            | -             | A            | D                   |  | -          | C                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | -             | -      | A      | -        |  | -             | A            | D      |
| Starch                       | -             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | A        |  | -             | B            | C      |
| Stearic Acid2                | -             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | -             | A      | A      | -        |  | -             | B            | C      |
| Stoddard Solvent             | D             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | D        |  | D             | D            | -      |
| Styrene                      | -             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Sugar (Liquids)              | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Sulfate Liquors              | A             | -            | C                   |  | -          | C                   | -          | -          |  | C                   | -      |  | -          | C                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |
| Sulfur Chloride              | D             | A            | D                   |  | -          | D                   | A          | -          |  | D                   | A      |  | -          | D                   | A          | -          |  | D             | -      | A      | -        |  | D             | A            | -      |
| Sulfur Dioxide2              | D             | C            | A                   |  | A          | A                   | A          | B          |  | A                   | A      |  | A          | A                   | A          | B          |  | D             | B      | A      | A        |  | D             | C            | -      |
| Sulfur Dioxide (dry)         | -             | D            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | D            | -      |
| Sulfur Trioxide (dry)        | -             | -            | A                   |  | -          | C                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |



# Chemical Resistance Chart

**PRESSOL**

|                                      | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|--------------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                      | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| <b>Fluids</b>                        |               |              |                     |  |            |                     |            |            |  |                     |        |  |            |                     |            |            |  |               |        |        |          |  |               |              |        |
| Sulfuric Acid (to 10%)               | A             | B            | D                   |  | A          | C                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | D        |  | A             | B            | D      |
| Sulfuric Acid (10%-75%) <sup>2</sup> | A             | C            | D                   |  | B          | D                   | A          | A          |  | D                   | A      |  | B          | D                   | A          | A          |  | A             | A      | A      | D        |  | A             | C            | D      |
| Sulfuric Acid (75%-100%)             | B             | -            | -                   |  | C          | D                   | A          | A          |  | -                   | A      |  | C          | -                   | A          | A          |  | B             | A      | A      | D        |  | B             | -            | -      |
| Sulfurous Acid                       | A             | B            | C                   |  | -          | B                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | A             | -      | A      | D        |  | A             | B            | D      |
| Sulfuryl Chloride                    | -             | -            | -                   |  | -          | -                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Syrup                                | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |
| Tallow                               | -             | C            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | C            | -      |
| Tannic Acid                          | A             | B            | A                   |  | -          | A                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | C      |
| Tanning Liquors                      | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | C        |  | A             | -            | -      |
| Tartaric Acid                        | A             | B            | A                   |  | -          | B                   | A          | A          |  | A                   | A      |  | -          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Tetrachlorethane                     | A             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Tetrahydrofuran                      | C             | D            | A                   |  | A          | A                   | A          | D          |  | A                   | A      |  | A          | A                   | A          | D          |  | C             | D      | A      | -        |  | C             | D            | D      |
| Toluene, Toluol <sup>3</sup>         | D             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | A        |  | D             | D            | -      |
| Tomato Juice                         | A             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | C      |
| Trichlorethane                       | -             | -            | C                   |  | -          | A                   | A          | -          |  | C                   | A      |  | -          | C                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | C      |
| Trichlorethylene <sup>2</sup>        | D             | D            | A                   |  | C          | A                   | A          | A          |  | A                   | A      |  | C          | A                   | A          | A          |  | D             | A      | A      | A        |  | D             | D            | C      |
| Trichloropropane                     | -             | -            | -                   |  | -          | A                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Tricresylphosphate                   | -             | -            | -                   |  | -          | A                   | A          | -          |  | -                   | A      |  | -          | -                   | A          | -          |  | -             | -      | A      | -        |  | -             | -            | -      |
| Triethylamine                        | -             | -            | -                   |  | -          | -                   | -          | -          |  | -                   | -      |  | -          | -                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |

# Chemical Resistance Chart

**PRESSOL**

| Fluids                           | 13 003 001    | 13 003 001   | 13 003 001          |  | 13 003 002 | 13 003 002          | 13 003 002 | 13 003 002 |  | 13 005              | 13 005 |  | 13 064 001 | 13 064 001          | 13 064 001 | 13 064 001 |  | 13 064        | 13 064 | 13 064 | 13 064   |  | 13 003        | 13 003       | 13 003 |
|----------------------------------|---------------|--------------|---------------------|--|------------|---------------------|------------|------------|--|---------------------|--------|--|------------|---------------------|------------|------------|--|---------------|--------|--------|----------|--|---------------|--------------|--------|
|                                  | Polypropylene | Polyethylene | 304 Stainless Steel |  | PPS        | 316 Stainless Steel | PTFE       | PVDF       |  | 304 Stainless Steel | PTFE   |  | PPS        | 304 Stainless Steel | PTFE       | PVDF       |  | Polypropylene | PVDF   | PTFE   | Phenolic |  | Polypropylene | Polyethylene | Steel  |
| Turpentine3                      | B             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | B             | A      | A      | -        |  | B             | D            | -      |
| Urine                            | A             | B            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | B            | -      |
| Vegetable Juice                  | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | D      |
| Vinegar                          | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | -        |  | A             | B            | C      |
| Varniah (Use Viton for Aromatic) | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | -        |  | A             | -            | -      |
| Water, Acid, Mine                | A             | -            | A                   |  | B          | A                   | -          | -          |  | A                   | -      |  | B          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | C      |
| Water, Distilled, Lab Grade      | A             | -            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | D      |
| Water, Fresh                     | A             | A            | A                   |  | A          | A                   | A          | -          |  | A                   | A      |  | A          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | A            | -      |
| Water, Salt                      | A             | -            | A                   |  | A          | A                   | -          | -          |  | A                   | -      |  | A          | A                   | -          | -          |  | A             | -      | -      | A        |  | A             | -            | D      |
| Weed Killers                     | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Whey                             | -             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | -             | -      | -      | -        |  | -             | -            | -      |
| Whiskey and Wines                | A             | B            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | B            | D      |
| White Liquor (Pulp Mill)         | A             | -            | A                   |  | -          | A                   | A          | -          |  | A                   | A      |  | -          | A                   | A          | -          |  | A             | -      | A      | A        |  | A             | -            | C      |
| White Water (Paper Mill)         | A             | -            | A                   |  | -          | A                   | -          | -          |  | A                   | -      |  | -          | A                   | -          | -          |  | A             | -      | -      | -        |  | A             | -            | -      |
| Xylene2                          | D             | D            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | D             | A      | A      | A        |  | D             | D            | -      |
| Zinc Chloride                    | A             | B            | D                   |  | A          | B                   | A          | A          |  | D                   | A      |  | A          | D                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | D      |
| Zinc Hydrosulphite               | -             | -            | -                   |  | A          | A                   | -          | -          |  | -                   | -      |  | A          | -                   | -          | -          |  | -             | -      | -      | A        |  | -             | -            | D      |
| Zinc Sulfate                     | A             | B            | A                   |  | A          | A                   | A          | A          |  | A                   | A      |  | A          | A                   | A          | A          |  | A             | A      | A      | A        |  | A             | B            | C      |