

## 1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name **LasilCast 7 component A**
- Utilization of the substance of the formulation: Polyol for Polyurethanes
- Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use SU12 Manufacture of plastics products, including compounding and conversion
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
ALTROPOL KUNSTSTOFF GmbH  
Rudolf-Diesel-Str 9 - 13  
D-23617 Stockelsdorf  
Tel. +49 (0)451-49960-0  
Fax. +49 (0)451-49960-20  
e-mail: info@altropol.de
- Further information obtainable from: environment protection department
- Emergency telephone number:  
During normal opening times (7 am - 5 pm )  
phone : +49 (0)451-49960-0 or +49 (0)176-10232577

## 2 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Information concerning particular hazards for human and environment:  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- Label elements
- Labelling according to EU guidelines:  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- Special labelling of certain preparations:  
Safety data sheet available for professional user on request.
- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

## 3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Resin mixture

(Contd. on page 2)

Printing date 22.11.2012

Version number 12

Revision: 22.11.2012

Trade name **LasilCast 7 component A**

(Contd. of page 1)

· Dangerous components:		
CAS: 102-60-3 EINECS: 203-041-4	1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol Xi R36 Eye Irrit. 2, H319	10 - 25%
CAS: 38640-62-9	alkylated aromatic hydrocarbon R53 Asp. Tox. 1, H304; Aquatic Chronic 4, H413	10 - 25%
CAS: 112-27-6 EINECS: 203-953-2	2,2'-(ethylenedioxy)diethanol substance with a Community workplace exposure limit	10 - 25%
CAS: 64742-82-1	Naphtha (petroleum), hydrotreated heavy; naphtha, low boiling point.) Xn R65; N R51/53 R10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	0.5- 2.5%

#### 4 First aid measures

- Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing:
  - Do not induce vomiting; call for medical help immediately.
  - If symptoms persist consult doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
  - No further relevant information available.

#### 5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:
  - CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- Additional information
  - Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

Printing date 22.11.2012

Version number 12

Revision: 22.11.2012

Trade name **LasilCast 7 component A**

(Contd. of page 2)

- Reference to other sections No dangerous substances are released.

## 7 Handling and storage

- Handling:
  - Precautions for safe handling No special measures required.
  - Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
  - Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions:
  - Keep container tightly sealed.
  - Store in dry conditions.
  - Protect from frost.
- Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- Control parameters

- Ingredients with limit values that require monitoring at the workplace:

112-27-6 2,2'-(ethylenedioxy)diethanol

AGW (Germany) Long-term value: 1000E mg/m<sup>3</sup>  
2(II);DFG, Y

- DNELs

38640-62-9 alkylated aromatic hydrocarbon

Oral DNEL 2.1 mg/kg/d (General population)

Dermal DNEL 2.1 mg/kg/d (General population)

4.3 mg/kg/d (workers)

Inhalative DNEL 7.4 mg//m<sup>3</sup> (General population)30 mg//m<sup>3</sup> (workers)

- PNECs

38640-62-9 alkylated aromatic hydrocarbon

PNEC 25 mg/kg (-)

PNEC STP 0.15 mg/L (-)

PNEC aqua 0.26 ug/L (freshwater)

0.026 ug/L (marine water)

PNEC sediment 0.94 mg/kg (freshwater)

0.094 mg/kg (marine water)

PNEC soil 0.19 mg/kg (-)

- Additional information: The lists valid during the making were used as basis.

- Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- Respiratory protection: Not necessary if room is well-ventilated.

(Contd. on page 4)

GB

Printing date 22.11.2012

Version number 12

Revision: 22.11.2012

Trade name **LasilCast 7 component A**

(Contd. of page 3)

- Protection of hands:  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:  
Natural rubber, NR
- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

## 9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
 

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
- Change in condition
 

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
- Flash point: > 100°C
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20°C: 1.0 g/cm<sup>3</sup>
- Solubility in / Miscibility with water: Not miscible or difficult to mix.
- Viscosity:
 

Dynamic at 25°C:	250 mPas
VOC (EC)	0.50 %
- Other information: No further relevant information available.

## 10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.

(Contd. on page 5)

Printing date 22.11.2012

Version number 12

Revision: 22.11.2012

Trade name **LasilCast 7 component A**

(Contd. of page 4)

- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: Carbon monoxide and carbon dioxide

## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

- LD/LC50 values relevant for classification:

38640-62-9 alkylated aromatic hydrocarbon

Oral	LD50	4000 mg/kg (Ratte) (OECD 401)
	NOAEL	170 mg/kg (Ratte)
Dermal	LD50	4050 mg/kg (Ratte) (OECD 402)
Inhalative	LC50/4 h	5.8 mg/l (Ratte) (OECD 403)

- Primary irritant effect:
  - on the skin: slightly irritant (OECD method), labelling not required
  - on the eye: slightly irritant, labelling not required (analogy conclusion)
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## 12 Ecological information

- Toxicity

- Aquatic toxicity:

38640-62-9 alkylated aromatic hydrocarbon

EC0 (48h)	0.16 mg/l (Daphnia Magna) (OECD 202)
EC0 (72h)	0.15 mg/l (A) (OECD 201)
LC0(96h)	0.5 mg/l (F) (OECD 203)
NOEC (21d)	0.013 µg/l (Daphnia Magna) (OECD 202)

- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
  - Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
- Additional ecological information:
  - General notes:
 

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects No further relevant information available.

GB

(Contd. on page 6)

Printing date 22.11.2012

Version number 12

Revision: 22.11.2012


Trade name **LasilCast 7 component A**

(Contd. of page 5)

**13 Disposal considerations**

- Waste treatment methods
- Recommendation  
After prior treatment product has to be landfilled adhering to the regulations pertaining to the disposal of particularly hazardous waste.  
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

· UN-Number	Void
· ADR, ADN	UN3082
· IMDG, IATA	
· UN proper shipping name	Void
· ADR, ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkylated aromatic hydrocarbon ), MARINE POLLUTANT
· IMDG	
· IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
· Transport hazard class(es)	
· ADR, ADN	Void
· Class	
· IMDG, IATA	
	
· Class	9 Miscellaneous dangerous substances and articles.
· Label	9
· Packing group	Void
· ADR	III
· IMDG, IATA	
· Environmental hazards:	
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
· Special precautions for user	Not applicable.
· EMS Number:	F-A,S-F
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

(Contd. on page 7)

Trade name **LasilCast 7 component A**

(Contd. of page 6)

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Labelling according to EU guidelines:  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
  - Special labelling of certain preparations:  
Safety data sheet available for professional user on request.
  - National regulations:
  - Technical instructions (air):
- | Class | Share in % |
|-------|------------|
| NK    | 10 - 25    |
- Waterhazard class: Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.
- R10 Flammable.  
R36 Irritating to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R53 May cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.
- Department issuing MSDS: environment protection department
- Contact:  
Herr Karasmann Tel. +49 (0)451-49960-0  
Herr Grützmacher Tel. +49 (0)2056-25863-6
- Abbreviations and acronyms:  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organization  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent
- \* Data compared to the previous version altered.