

SAFETY DATA SHEET

POLYGON

Product name: ZINCLEAR IM 50CCT

Date 11. Sep. 19

Revision: 0

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

1.1. Product identifier

ZINCLEAR IM 50CCT

REACH status: Acc. to Regulation (EC) 1907/2006 this is a mixture.

1.2. Relevant identified uses of the substance or mixture and uses advised against

General uses: Cosmetics.

The substances contained in this product are not subject to the clauses regarding uses in Regulation (EC) 1907/2006.

Uses not included:
none

1.3 Details of the supplier of the safety data sheet

Polygon Chemie AG

Solothurnerstr. 121

CH-4601 Olten

tel.: +41 62 205 50 20

fax: +41 62 205 50 30

e-mail: mail@polygon.ch

homepage: www.polygon.ch

1.4 Emergency telephone number

0041-44-251 51 51 (Kurzwahl für die Schweiz: Tel. 145)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification acc. to (EC) 1272/2008:

Aqua. Acute 1, H400; Aqua. Chron. 1, H410

2.2. Label elements

Label elements acc. to (EC) 1272/2008:



Signal word:

Hazard statements:

Precautionary statements:

Product identifiers:

Warning

Very toxic to aquatic life with long lasting effects.

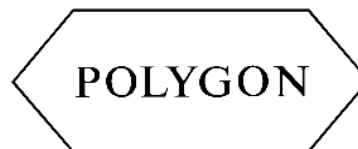
Avoid release to the environment.

Zinc Oxide

2.3. Other hazards

No particular ones

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3. Composition/information on ingredients

3.2. Mixtures

Indications acc. to (EC) 1272/2008:

Substance	Content	Classification, PBT / vPvB, SVHC, AGW / MAK values	EC no. / Reg. no.:
Zinc oxide	40 - 65 %	H400, H410	215-222-5/ 01-2119463881 32-xxxx

For full text of relevant hazard statements see ch. 16.

Regarding workplace exposure limits see pt. 8

4. First aid measures

4.1. Description of first aid measures

After inhalation:	Provide fresh air.Consult physician if problems arise.
After skin contact:	After contact with skin, wash immediately with soap and plenty of water.Consult physician if problems arise.
After eye contact:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.Consult physician if problems arise.
After swallowing:	Rinse mouth immediately and drink plenty of water.Do not induce vomiting.Consult physician if problems arise.

4.2. Most important symptoms and effects, both acute and delayed

no data available

4.3. Indication of any immediate medical attention and special treatment needed

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Special hazards: May occur during thermal decomposition: Toxic and irritant vapours.

5.3. Advice for firefighters

Advice on protective actions: In case of fire: Wear self-contained breathing apparatus.Wear full chemical protective clothing.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter drains/surface water/ground-water. Do not allow to enter into soil/ subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically.

6.4. Reference to other sections

7. Handling and storage

7.1. Precautions for safe handling

Advice for safe handling: Wear personal protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Advice for safe storage: Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

7.3. Specific end use(s)

Additional information: Avoid the following: Acid. Alkali.

8. Exposure controls/personal protection

8.1. Control parameters

workplace exposure limits in Germany:

Substance/ EINECS	exposure limit		peak limit
	ml/m ³	mg/m ³	ml/m ³
Zinkoxid (CAS 1314-13-2)		5	

exposure limit in Switzerland

substance/ Zinkoxid 215-22-5	exposure limit		short-time limit	
	ml/m ³	mg/m ³	ml/m ³	mg/m ³
		3		3

8.2. Exposure controls

Respiratory protection: Filtering mask AX
Hand protection: Tested gloves must be worn.
Eye/face protection: Tightly fitting goggles type 5 (EN 166).
Body protection: Working clothes protecting the whole body.

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The logo consists of a black-outlined hexagon. Inside the hexagon, the word "POLYGON" is written in a bold, black, sans-serif font, centered horizontally and vertically.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Liquid.
Colour:	light yellow. bis gelbgrün
Odour:	mild
Odour treshold:	no data available
pH as is:	no data available
pH in aqueous solution:	no data available
pH in other solvent:	no data available
Freezing point:	no data available
Solidification point: :	no data available
Melting point:	no data available
Cloud point:	no data available
Boiling point:	no data available
Flash point:	> 200 °C
Evaporation rate:	no data available
Flammability:	no data available
Danger of explosion:	no data available
Lower explosive limit:	no data available
Upper explosive limit:	no data available
Danger of dust explosion:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Relative density:	1.6 g/ cm ³
Bulk density:	no data available
Refractive index:	no data available
Solubility in water:	Insoluble.
Solutbility in fatty substances:	no data available
Solubility:	no data available
Solubility:	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature:	no data available
Auto-ignition temperature:	no data available
Viscosity:	no data available
Explosive properties:	no data available
Oxidising properties:	no data available

10. Stability and reactivity

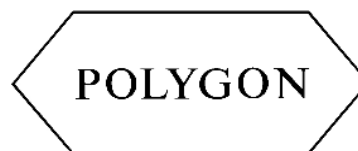
10.1. Reactivity

no particular information

10.2. Chemical stability

no particular information

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10.3. Possibility of hazardous reactions

Reaction with:Oxidizing agent.

10.4. Conditions to avoid

no particular conditions to avoid

10.5. Incompatible materials

Reducing agent, strong. Acids.Alkalis.

10.6. Hazardous decomposition products

no particular hazardous decomposition products

11. Toxicological information

11.1. Acute toxicity

oral: LD50:Rat. > 5000 mg/kg (Löser, 1977) Mouse. 15000 mg /kg (Löser,1972)

dermal: no data available

inhalative: LC50:Mouse. > 5.7 mg/ kg in 4h (Klimish + Freisberg)

11.2. Skin corrosion/irritation:

Skin corrosion/irritation: Non-irritant. (Löser 1977, Landsdown 1991)

11.3. Serious eye damage/irritation

Serious eye damage/irritation: Non-irritant. (Van Huygevoort 1999, Thijssen 1978, Löser 1977)

11.4. Respiratory or skin sensitisation:

Sensitisation after Not sensitizing. (Van Huygevoort 1999)

skin contact:

Sensitisation after inhalation: no data available

11.5. Germ cell mutagenicity:

Mutagenicity: None known. (CSR ZnO, 2010)

11.6. Carcinogenicity

Carcinogenicity: None known. (CSR ZnO, 2010)

11.7. Reproductive toxicity

Reproductive toxicity None known. (CSR ZnO, 2010)

11.8. STOT-single exposure

After singular exposure: None known. (CSR ZnO, 2010)

11.9. STOT-repeated exposure

After repeated exposure: None known. (CSR ZnO, 2010)

11.10. Aspiration hazard

Aspiration hazard: no data available

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11.11. Additional information

12. Ecological information

12.1. Toxicity

12.1.1. Aquatic toxicity

Acute fish toxicity: Oncorhynchus mykiss (rainbow trout).LC50: > 1.1 mg/l in 4 days (ECOTOX)

Acute daphnia toxicity: Daphnia magna (Big water flea)LC0: mg/l in 2 day (ECOTOX)

Algae toxicity: Pseudokirchneriella subcapitataLC50: 0.63 mg/l in 3 days (ECOTOX)

12.2. Persistence and degradability no data available

12.3. Bioaccumulative potential no data available

12.4. Mobility in soil no data available

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Other adverse effects: Do not discharge into drains or rivers. Do not discharge into the subsoil / soil.

13. Disposal considerations

Product: Dispose of waste according to applicable local, state, and federal regulations.

Packing: Dispose of waste according to applicable local, state, and federal regulations.

The EWC number is determined mainly by the use of the product. Unused quantities can be disposed of under 16 05 08.

14. Transport information

14.1. UN number

UN 3082

14.2. UN proper shipping name

Environmentally Hazardous Substance, Liquid, NOS (Contains Zinc Oxide)

Land transport
(ADR/RID)

Marine transport
(IMDG)

Air transport
(ICAO-TI / IATA-DGR)

14.3. Transport hazard class(es)

9

9

9

14.4. Packing group

III

III

III

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14.4.1 Hazard label 9

14.5. Environmental hazards

Ja

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

n/A

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

In Germany:

WHC

2

TA Luft:

The components are not subject to the TA Luft

StörfallIV:

This product is not subject to the StörfallIV acc. to annex I

In Switzerland:

StörfallIV:

This product is subject to the StörfallIV

15.2. Chemical safety assessment

Chemical safety assessment: no

16. Other information

Full text of relevant hazard statements (H-phrases) in ch. 3:

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.

Additional information:

MSDS acc. to Regulation (EC) No. 2015/830.

This safety data sheet assumes high professional standards when handling chemicals. Whenever there is no particular recommendation in this safety data sheet, these high professional standards have to be applied.

All information refers to the original product as supplied and is based on our current knowledge. This safety data sheet is no guarantee of any product properties and does not establish any legal relationship.

Legende:

WHC = Water hazard class

WHC = nwg (non hazardous to waters); WHC = 1 (slightly hazardous to waters); WHC = 2 (hazardous to waters); WHC = 3 (extremely hazardous to waters)

Following chapters have been changed: new