

SAFETY DATA SHEET

Molykote 1000 Paste

Internal code: 84

Revision date: 20-03-2009

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Chemical name Molykote 1000 Paste
Revision date 20-03-2009
Company G A Lindberg ChemTech AB
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Country Sweden
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Internal code 84
Article-no MP1000
Application Lubricant.

2. HAZARD IDENTIFICATION

Risk symbols



Risk description

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION

| Ingredients | EC-nr. | CAS-nr. | Content | Class. | R-phrases |
|---|-----------|------------|---------|--------|-----------|
| destillat (petroleum) , lösningsmedelsavvaxade lätta paraffiniska | 265-159-2 | 64742-56-9 | <=42 | | * |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 265-169-7 | 64742-65-0 | <=42 | | * |
| Polybutene | 500-004-7 | 9003-29-6 | 6 | | |
| Zinc | 231-175-3 | 7440-66-6 | 4,0 | N | 50/53 |

Explanation

R-phrases with full text is found in section 16. Tx=Very Toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritating, IK=No classification required, E=Explosive, O=Oxidizing, Fx=Extremely flammable, F=Highly flammable, N=Dangerous for the environment.

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Ingredients comments * Contains < 3 % DMSO extract according to IP346.

4. FIRST AID MEASURES

Inhalation Supply fresh air.

Skin contact Dry with paper towel or similar and wash with soap and water.

Eye contact Rinse with water.

Ingestion No first aid should be needed.

5. PROTECTION AGAINST FIRE AND EXPLOSION

Extinguishing media Water spray, foam, CO2 or powder. Water can be used to cool fire exposed containers.

Fire/explosion risks Toxic vapours are evolved. In the event of fire carbon dioxide, silica, formaldehyde and traces of incompletely burned carbon compounds develop. Traces of fluorinated compounds.

Special fire- fighting procedures A self-contained respirator and protective clothing should be worn.

Additional information Determine the need to evacuate or isolate the area according to your local emergency plan.

6. PROCEDURE IN CASE OF ACCIDENTAL RELEASE

Personal precautions Wear proper protective equipment recommended in section 8.

Environmental precautions Do not allow large quantities to enter drains or surface waters.

Methods for cleaning up Scrape up and collect in a container fitted with a lid.

Additional information The spilled product produces a slippery surface.

7. HANDLING AND STORAGE

Handling Avoid skin and eye contact. General ventilation is required. Local ventilation is recommended.

Storage Do not store with oxidizing agents. Keep container tightly closed. Keep dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Ingredients | EC-nr. | CAS-nr. | 8 hour | | Short | | Type | Note | Year |
|---|-----------|------------|--------|-----|-------|-----|------|------|------|
| | | | mg/m3 | ppm | mg/m3 | ppm | | | |
| destillat (petroleum), lösningemedelsavvaxade lätta paraffiniska | 265-159-2 | 64742-56-9 | 1 | | | | NGV | 1, 7 | |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 265-169-7 | 64742-65-0 | 10 | | | | NGV | | |
| Polybutene | 500-004-7 | 9003-29-6 | 10 | | | | NGV | | |

OAR remarks 1: Form: mist. 7: Recommended by supplier.

Respiration protection Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the occupational exposure limit values may be approached or exceeded. A half mask with filter B is recommended. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.

Eye protection Safety goggles must be worn.

Hand protection Chemical protective gloves should be used in case of longterm/repeated exposure. Viton. 4H(PE/ EVAL/ PE). Silver Shield. Nitrile rubber. Regarding glove's breakthrough time, contact your chemical protective glove supplier.

Skin protection Protective equipment is not normally necessary.

Additional information Exercise good industrial hygiene practice. Wash hands during breaks and at the end of the work.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------|-----------------|
| Form | paste |
| Colour | brown. |
| Odour | slight |
| Specific gravity | 1,26 |
| Flash point | 200 °C |
| Flash point method | Tag closed cup. |

10. STABILITY AND REACTIVITY

Conditions to avoid Stable under normal conditions.

Materials to avoid Can react with strong oxidizing substances.

Hazardous decomposition products Toxic vapours of fluorinated compounds. Silica. Carbon oxides and traces of incompletely burned carbon compounds. Silica.
If this product is heated to > 150 degrees C, trace quantities of formaldehyde may be released.

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11. TOXICOLOGICAL INFORMATION

| | |
|---------------------|--|
| Inhalation | Slightly irritating. Product may emit formaldehyde vapours at temperatures above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1 ppm). |
| Skin contact | No adverse effects are normally expected. |
| Eye contact | May cause temporary discomfort. |
| Ingestion | Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort. |

12. ECOLOGICAL INFORMATION

Toxicity and bioaccumulation

| Ingredients | EC-nr. | CAS-nr. | LC50 | EC50 | IC50 | Log Pow | BCF | BOD5/COD |
|-------------|-----------|-----------|-------------------------|---------------------------|------|---------|-----|----------|
| Zinc | 231-175-3 | 7440-66-6 | Fish 96h: 0.116 mg/l | Daphnia 48h:0.068 mg/l | | | 92 | |

| | |
|--------------------|---|
| Mobility | Solid material, insoluble in water. |
| Ecotoxicity | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

13. DISPOSAL CONSIDERATIONS

| | |
|-----------------------|---|
| General | Product and packaging should be disposed of in accordance with regional and/or national regulations. This material must be disposed of as hazardous waste. |
| Disposal group | EWC code: 12 01 12. Recommendation. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. |
| Packings | Dispose of in accordance with local regulations. |

14. TRANSPORT INFORMATION

| | |
|-----------------------|------|
| UN number | 3077 |
| Label | 9 |
| Packing group | III |
| ADR/RID- Class | 9 |

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| | |
|---------------------------------|---|
| ADR/RID- Class Code | M7 |
| ADR/RID- Danger number | 90 |
| ADR/RID- Free quantity | LQ27 |
| ADR/RID- shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc/Copper metal powder) |
| IMDG- Class | 9 |
| IMDG- marine pollutant | yes |
| IMDG- EmS | F-A, S-F |
| IMDG- limited quantities | 5 kg |
| Flash point | 200 °C |
| IMDG- Proper sh. name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc/Copper metal powder) |
| IATA- class | 9 |

15. REGULATORY INFORMATION

Risk symbols



Ingredients

Zinc 4,0

R-phrases

R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S-24/25 Avoid contact with skin and eyes.
S-29 Do not empty into drains.
S-41 In case of fire and/or explosion, do not breathe fumes.
S-57 Use appropriate container to avoid environmental contamination.
S-60 This material and its container must be disposed of as hazardous waste.
S-61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Additional information

Restricted to professional users. No ozone depleting chemicals are present or used in manufacture.

16. OTHER INFORMATION

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| | |
|---|---|
| Relevant risk phrases given in section 3 | R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Information sources | Reach Regulation (EC) No 1907/2006, Council Directive 67/548/EEC, Directive 1999/45/EC of the European Parliament and of the Council, Commission Directive 2001/58/EC and its subsequent amendments. |
| Additional information | This information is only valid for above mentioned product and is not necessary valid if the product is used together with one or several other products or in another process. The information is according to our judgement correct and complete and given in good faith but without warranty. It is up to the user to assure himself that the information is relevant and complete when it comes to his own use of this product. |
| First released | 13.06.2002 |
| Replaces | 30.06.2006 |
| Printed date | 20.03.2009 |

--- SAFETY DATA SHEET conforming to EC-regulations 1907/2006, directive 67/548/EEC(2006/121/EC), 99/45 EC -

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