SAFETY DATA SHEET

In accordance with 1907/2006 Annex II (2015/830) and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Issued 2017-07-27
Replaces issued SDS 2015-07-10
Version number 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   Trade name           ESD-polish
   Article number       50100

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Identified uses      Floor treatment, waxes etc.

1.3. Details of the supplier of the safety data sheet
   Company              ESD-Center AB
                         Ringugnsatan 8
                         21616 Malmö
                         Sweden
   Contact person       Stefan Sjökvist
   Telephone            +46 (0)40-3632 40
   Cell phone           +46 (0)709-5740 85
   E-mail               stefan.sjokvist@esd-center.se

1.4. Emergency telephone number
   Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Upon assessment, this mixture is not classified as hazardous according to 1272/2008.

2.2. Label elements
   Hazard pictogram      Not applicable
   Signal word           Not applicable
   Hazard statement      Not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures
   Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 2-PROPENYL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-METHYL-2-PROPENOATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLYETHYLENE WAX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 78-51-3</td>
<td></td>
<td>3 - 6.99 %</td>
</tr>
<tr>
<td>TRIS(2-BUTOXYETHYL) PHOSPHATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 201-122-9</td>
<td></td>
<td>1 - 3 %</td>
</tr>
<tr>
<td>2-(2-ETHOXYETHOXY)-ETHANOL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 111-90-0</td>
<td></td>
<td>2.5 - 2.99 %</td>
</tr>
<tr>
<td>1-METHOXY-2-PROPAANOL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 107-98-2</td>
<td>Flam Liq 3, STOT SE 3drow; H226, H336</td>
<td>&lt;0.1 %</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1. Description of first aid measures

Upon breathing in
In case of inhaling large amounts of smoke, fog or dust, flush nose, mouth and throat with water. If symptoms occur seek medical advice.

Upon eye contact
As a precaution, rinse the eye thoroughly with water; If symptoms occur, call a doctor/physician.

Upon skin contact
Remove contaminated clothes.
Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

Upon ingestion
No special measures should be necessary: to be on the safe side, induce vomiting and contact a physician.

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

Information on specific symptoms are missing.

At normal use this product has no significant harmful local effects.

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

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Extinguish with materials intended for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
The product is not hazardous in the flammable sense.
Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.
The product does not oxidise.

5.3. Advice for fire-fighters
In case of fire use a respirator mask.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use suitable allergy-tested protective gloves when cleaning up.
In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).
Dust filter IIb (P2) may be required when cleaning up.
Do not inhale the product and avoid exposure to skin and eyes.

6.2. Environmental precautions
At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.
Avoid emissions into soil, water or air.

6.3. Methods and material for containment and cleaning up
Carefully collect the material for combustion waste disposal, then wash the spillage area with water.

6.4. Reference to other sections
Contaminated products should be treated as chemical waste and declared as non-hazardous goods.
See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Treat the substance as potentially harmful to health.
Do not eat, drink or smoke in premises where this product is handled.
Handle in premises which have modern ventilation standards.
7.2. Conditions for safe storage, including any incompatibilities
Store in a well-ventilated area, not above eye-level.
This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.
Store only in the original package.
Do not store above normal room temperature.

7.3. Specific end uses
Not relevant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
8.1.1. National limit values
1-METHOXY-2-PROPANOL

United Kingdoms (EH40/2005)
Time-weighted-average exposure limit (TWA) 100 ppm / 375 mg/m³
Short term exposure limit (STEL) 150 ppm / 560 mg/m³

DNEL
No data available.

PNEC
No data available.

8.2. Exposure controls
In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

Eye/face protection
Eye protection should be worn if there is any danger of direct exposure or splashing.

Skin protection
Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks.

Respiratory protection
Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.
Dust filter IIb (P2) may be required.

8.2.3. Environmental exposure controls
For limitation of environmental exposure, see Section 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance
Form: emulsion.

b) Odour
Not indicated

c) Odour threshold
Not indicated

d) pH
7 - 9

e) Melting point/freezing point
Not indicated

f) Initial boiling point and boiling range
100 °C

g) Flash point
Not indicated

h) Evaporation rate
Not indicated

i) Flammability (solid, gas)
Not applicable

j) Upper/lower flammability or explosive limits
Not indicated

k) Vapour pressure
Not indicated

l) Vapour density
Not indicated

m) Relative density
1.030 kg/L

n) Solubility
Not indicated

o) Partition coefficient: n-octanol/water
Not applicable

p) Auto-ignition temperature
Not indicated

q) Decomposition temperature
Not indicated

r) Viscosity
Not indicated

s) Explosive properties
Not applicable

t) Oxidising properties
Not applicable
9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability
The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
Avoid vigorous heating.

10.5. Incompatible materials
Avoid contact with strong acids.
Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
The product is not classified as toxic.

Acute toxicity
The product is not classified as acute toxic.

2-(2-ETHOXYETHOXY)-ETHANOL
LD50 rat 24h: 5500 mg/kg Orally

1-METHOXY-2-PROPANOL
LD50 rat 24h: 13500 mg/kg Dermally
LD50 rat 24h: 5000 mg/kg Orally

Skin corrosion/irritation
The substance is classified to be neither corrosive nor irritant to skin. Mild irritation may occur on prolonged or repeated exposition.

Serious eye damage/irritation
The substance is classified to be neither corrosive nor irritant to the eyes. Mild irritation may occur on prolonged or repeated exposition.

Respiratory or skin sensitisation
Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

Germ cell mutagenicity
To the best of our knowledge, no mutagenic effects have been reported for this product.

Carcinogenicity
To the best of our knowledge, no carcinogenic effects have been reported for this product.

Reproductive toxicity
To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

STOT-single exposure
No known hazards for occasional exposure.

STOT-repeated exposure
To the best of our knowledge, no chronic effects have been reported for this product.

Aspiration hazard
The product is not classified as being toxic for aspiration.

SECTION 12: Ecological information

12.1. Toxicity
This product consists of easily degradable naturally occurring or nature identical substances, mainly obtained from renewable sources, whereby the global environmental load may be considered to be negligible. In the local environment minor ecological effects may occur in case of large discharge.

12.2. Persistence and degradability
The product degrades in the natural environment.

12.3. Bioaccumulative potential
Neither this product, nor its contents, accumulates in nature.
12.4. Mobility in soil
No information about mobility in the nature exists but there is no reason to suppose the product to be ecologically harmful because of this.

12.5. Results of PBT and vPvB assessment
No chemical safety report has been executed.

12.6. Other adverse effects
Not indicated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste handling of the product
This product is not usually recycled.
The product is not classified as hazardous waste.
For the disposal of large quantities, contact your licensed waste contractor. Small quantities may be flushed into sewer with large amounts of water. Rinse out the container thoroughly after use and dispose of as plastic.
Also take local regulations for dealing with waste into account.
See also national waste regulations.

Classification according to 2006/12
Recommended LoW-code: 20 01 30 Detergents other than those mentioned in 20 01 29
15 01 02 Plastic packaging

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number
Not classified as dangerous goods

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Not applicable

14.6. Special precautions for user
Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

14.8 Other transport information
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Not indicated.

15.2. Chemical safety assessment
Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet
Revisions of this document
Earlier versions
2015-07-10 Revisions of this document has, where not otherwise stated, been caused by changes in the regulations

16b. Legend to abbreviations and acronyms used in the safety data sheet
Full texts for Hazard Class and Category Code mentioned in section 3
Flam Liq 3 Flammable liquids (Category 3)
STOT SE 3drow Specific target organ toxicity - Single exposure (Category 3, Narcosis effect)

Explanations of the abbreviations in Section 14
ADR European Agreement concerning the International Transport of Dangerous Goods by Road
RID Regulations concerning the International Transport of Dangerous Goods by Rail
16c. Key literature references and sources for data

Sources for data
Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2017-07-27.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet


EH40/2005 EH40/2005 Workplace exposure limits

89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work

2006/12 DIRECTIVE 2006/12/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2006 on waste


16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

16e. List of relevant hazard statements and/or precautionary statements

Full texts for hazard statements mentioned in section 3

H226 Flammable liquid and vapour

H336 May cause drowsiness or dizziness

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse

This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

Other relevant information

Editorial information

This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, www.kemrisk.se