

SAFETY DATA SHEET

In accordance with 453/2010 and 1272/2008

(All references to EU regulations and directives are abbreviated into only the numeric term)

Issued 2013-11-29

Replaces issued SDS 2013-05-24



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

1.1. Product identifier

Trade name Mögel-Fri
Supplier's product number 118

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

Identified uses
Bactericides
Surface disinfectants
Fungistatics

1.3. Details of the supplier of the safety data sheet

Company JAPE Produkter AB
Helsingborgsvägen 14
SE-28149 HÄSSLEHOLM
Sweden
Contact person Claes af Klinteberg
Telephone +46 451 - 898 77
Cell phone +46 708 - 79 31 24
E-Mail claes@jape.se

1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada).

For other countries, use the built-in emergency number in your cell phone

For non-emergency poison information, see <http://www.who.int/ipcs/poisons/centre/directory/euro/en/>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with 1272/2008

Upon assessment, this mixture is not classified as hazardous according to 1272/2008.

Classification in accordance with 1999/45/EG

This product is assessed and not classified as hazardous.

2.2. Label elements

Label information in accordance with 1272/2008

Hazard pictograms Not applicable
Signal words Not applicable
Hazard statements Not applicable
P102 Keep out of reach of children

Label information in accordance with 1999/45/EG

See section 16.

2.3. Other hazards

Not relevant.

SECTION 3: Composition/information on ingredients

This product is composed of several substances dissolved in water.

This composition is approximate. For detailed declaration of contents cf. product leaflet supplied by the supplier.

3.2. Mixtures

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

Constituent	Classification	Concentration
WATER		
CAS No 7732-18-5	-	80 - 100%
EC No 231-791-2	; -	
BENZALKONIUM CHLORIDE C12-C16		
CAS No 68424-85-1	Acute Tox 4dust, Skin Irrit 2, Eye Irrit 2; H332, H315, H319	1 - 5%
EC No 270-325-2	Xn; R20/22 R36/38	
PROPYLENE GLYCOL		
CAS No 57-55-6	-	1 - 5%
EC No 200-338-0	; -	
UVITEX EBH		
	-	0,2 - 0,6%
	*; -	
ETHYL ALCOHOL		
CAS No 64-17-5	Flam Liq 2; H225	< 1%
EC No 200-578-6	F; R11	
Index No 603-002-00-5		

Sum of max concentrations 100%

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complement used in the calculation of the hazards of this mixture, see Section 16b

SECTION 4: First aid measures

4.1. Description of first aid measures

Generally

No special measures are considered to be necessary. If symptoms do occur however, call a doctor/physician.

Upon breathing in

Upon breathing of large amounts of smoke, fog or dust, rinse nose, mouth and throat with water; If symptoms occur, call a doctor/physician.

Upon contact with the eyes

Immediately rinse with lukewarm water for 15 - 20 minutes with eyes kept wide open; If symptoms persist, 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

Upon ingestion of larger amounts, consult a doctor/physician.

DO NOT induce vomiting.

Immediately drink a couple glasses of water, milk or cream.

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

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

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

Not relevant.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing agents

All normal extinguishing agents may be used.

Unsuitable extinguishing agents

Among common extinguishing agents there are none that are overtly unsuitable.

5.2. Special hazards arising from the substance or mixture

Non-flammable liquid.

5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use a respirator mask.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The use of allergy-tested protective gloves is recommended.

Avoid discharge into sewers.

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

Avoid inhalation and exposure to skin and eyes.

6.2. Environmental precautions

Avoid emissions into soil, water or air.

6.3. Methods and material for containment and cleaning up

To be collected with caution and transported to a waste disposal facility.

Wash off with large quantities of water (50-100 volume parts). Dry up afterwards.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

6.4. Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children and pets.

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

Store in an area which is inaccessible for unauthorized persons, preferably locked.

7.2. Conditions for safe storage, including any incompatibilities

Do not store above normal room temperature.

Handle in premises which have modern ventilation standards.

Emergency showers and eye-rinsing facilities must be available at the workplace.

Store only in the original package.

7.3. Specific end uses

Not relevant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values, United Kingdom

PROPYLENGLYKOL

Time-weighted-average exposure limit (TWA) 150 ppm / 474 mg/m³

ETANOL

Time-weighted-average exposure limit (TWA) 1000 ppm / 1920 mg/m³

Other ingredients (cf. Section 3) have no occupational exposure limit values.

8.2. Exposure controls

In terms of minimizing risks, attention must be paid to the physical hazards (see Sections 2 and 10) of this product according to EU directives 89/391 and 98/24 and national occupational legislation.

Use protective glasses, safety goggles, or a visor.

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. Very sensitive persons can use gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here.



Dust filter IIb (P2) may be required.

The product is, or contains, a substance which has been classified as an irritant. Harmful effects on animals, plants and micro-organisms in the local environment cannot be ruled out.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance	Form: liquid Colour: pale yellow
b) Odour	Not applicable
c) Odour threshold	Not applicable
d) pH	When supplied, pH is: 5-8 In working solution the pH value is: 5-8
e) Melting point/freezing point	Not applicable
f) Initial boiling point and boiling range	Not applicable
g) Flash point	Not applicable
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not applicable
k) Vapour pressure	Not applicable
l) Vapour density	Not applicable
m) Relative density	1 kg/L
n) Solubility	Solubility in water Unlimited solubility Soluble in ACETONE, ETHYL ALCOHOL, METHANOL
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	Not applicable
r) Viscosity	Not applicable
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

Not indicated

10.2. Chemical stability

Not indicated

10.3. Possibility of hazardous reactions

Not indicated

10.4. Conditions to avoid

Not indicated

10.5. Incompatible materials

Not indicated

10.6. Hazardous decomposition products

Not indicated

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General or unspecific toxicity

Not indicated

Acute effects

Not classified as an acutely toxic substance.

Repeated dose toxicity

Prolonged exposure to the substance is dangerous.

Corrosive and irritating effects

The product is not corrosive. Minor irritation may arise for persons who are prone/susceptible.

Effect on human microflora

Harmful effects on human micro-flora can not be ruled out.

Relevant toxicological properties

PROPYLENE GLYCOL

LD50 rabbit 24h = 20800 mg/kg

LD50 rat 24h ~ 20000 mg/kg

ETHYL ALCOHOL

LD50 rabbit 24h > 20000 mg/kg dermal

LD50 rat 24h = 6200 mg/kg oral

LC50 rat 4h = 124,7 mg/L inhalation

SECTION 12: Ecological information

12.1. Toxicity

ETANOL

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h = 13480 mg/L

LC50 fathead minnow (*Pimephales promelas*) 96h = 13480 mg/L

LC50 Freshwater water flea (*Daphnia magna*) 48h = 5400 mg/L

This substance can affect the microbiological eco-balance. Do not release to the environment.

The product is, or contains, a substance which has been classified as an irritant. Harmful effects on animals, plants and micro-organisms in the local environment cannot be ruled out.

12.2. Persistence and degradability

The product degrades easily 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

Not indicated

12.6. Other adverse effects

Not indicated

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste handling for the product

Cf. also national waste regulations.

Recycling of the product

This product is not usually recycled.

Transportation of waste

Not indicated

SECTION 14: Transport information

This product is only supposed to be transported by road or railway and just the transport regulations ADR/RID thus apply. If other means of transport are to be used, contact the publisher of this safety data sheet.

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

SECTION 15: Regulatory information

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

Not applicable.

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**

2013-05-24 The composition of this product was changed

16b. Legend to abbreviations and acronyms used in the safety data sheet**Full texts for Hazard Class and Category Code mentioned in section 3**

<i>No phys haz</i>	Non-assigned physical hazard
<i>Acute Tox 4dust</i>	Acute toxicity (Category 4 dust)
<i>Skin Irrit 2</i>	Causes irritation (Category 2)
<i>Eye Irrit 2</i>	Irritates eyes (Category 2)
<i>Combust Liq</i>	Combustible liquids with flash points > 93 C
<i>No tox haz</i>	Not classified as toxic
<i>No environmental hazard</i>	Not classified as being environmentally hazardous
<i>Flam Liq 2</i>	Flammable liquids (Category 2)

Comprehensive definition of the hazards mentioned in Section 2***Non-Flam Liq***

Incombustible liquid; conclusive but not sufficient for classification

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 2013-11-29.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Literature references**For general or other information**

Against mold and blue stain, also disinfectant and germicide.

For the use of building materials.

Full texts for Regulations mentioned in this Safety Data Sheet

- 453/2010 COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- 1999/45/EG DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
- 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
- 98/24 COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I

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

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, and in accordance with 1907/2006 Annex XI.

16e. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

Full text for risk phrases mentioned in section 3

- R20/22 Harmful by inhalation and if swallowed
- R36/38 Irritating to eyes and skin
- R11 Highly flammable

Full texts for hazard statements mentioned in section 3

- H332 Harmful if inhaled
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H225 Highly flammable liquid and vapour

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

Warning for misuse

This product can cause harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with the directions for use.

Other relevant information

Label information in accordance with 1999/45/EG

- Hazard symbol Not applicable
- R-phrases Not applicable
- S-phrases
- S23 Do not breathe the vapours or the aerosol

Directions for use

Directions for use is distributed with the product and is also available on the Internet www.jape.se

Directions for dilution

This product is a concentrate that before use shall be diluted with 0 parts of water.

Product facts that are not mentioned elsewhere in this document

This product is sold under the following article number: 11811, 11812, 11824, 11826.

This is a ready-to-use solution, and shall not be diluted.

Editorial information

This safety data sheet has been generated by the program KemRisk®, KemRisk Sweden AB, Teknikringen 10, SE-583 30 Linköping, Sweden.