

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 2015-06-18

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name

Slide Master Waterproofing

Supplier's product number

25491

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

Identified uses

Waterproofing agent

1.3. Details of the supplier of the safety data sheet

Company

Marifix System AB
Industrigatan 33
SE-31234 LAHOLM
Sweden

Telephone

+46 43 079 133

E-mail

info@marifix.se

1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112.

For non-emergency poison information, see http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification in accordance with 1272/2008

Flammable liquids (Category 3)

Repeated exposure may cause skin dryness or cracking

Specific organ toxicity - Single exposure (Category 3, Narcosis effect)

Aspiration toxicity (Category 1)

2.2. Label elements

Label information in accordance with 1272/2008

Hazard pictograms



Signal words

Danger

Hazard statements

EUH066

Repeated exposure may cause skin dryness or cracking

H226

Flammable liquid and vapour

H304

May be fatal if swallowed and enters airways

H336

May cause drowsiness or dizziness

Precautionary statements

P101

If medical advice is needed, have product container or label at hand

P102

Keep out of reach of children

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P261

Avoid breathing vapours

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331

Do NOT induce vomiting

P405

Store locked up

P501

Dispose of contents and container to the local recycling centre

2.3. Other hazards

Not relevant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is composed of a homogeneous mixture of liquids.

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
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (<0.1% BENZENE)		
CAS No 64742-48-9 EC No 265-150-3 Index No 649-327-00-6	Flam Liq 3, <i>Skin Irrit Cron</i> , Asp Tox 1; H226, EUH066, H304	60 - 100%
PROPAN-2-OL		
CAS No 67-63-0 EC No 200-661-7 Index No 603-117-00-0	Flam Liq 2, Eye Irrit 2, STOT SE <i>3drow</i> ; H225, H319, H336	10 - 25%
n-BUTYL ACETATE		
CAS No 123-86-4 EC No 204-658-1 Index No 607-025-00-1	Flam Liq 3, <i>Skin Irrit Cron</i> , STOT SE <i>3drow</i> ; H226, EUH066, H336	10 - 25%
ISOPROPYL ACETATE		
CAS No 108-21-4 EC No 203-561-1 Index No 607-024-00-6	Eye Irrit 2, STOT SE <i>3drow</i> , <i>Skin Irrit Cron</i> , Flam Liq 2; H319, H336, EUH066, H225	1 - 5%

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

Put the person in the three-quarters prone recovery position if he or she is unconscious or groggy.

In case of concern, or if symptoms persist, call doctor/physician.

Upon breathing in

Allow the injured person to rest in a warm place with fresh air, if symptoms persist seek medical advice.

Upon contact with the eyes

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

Upon skin contact

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

Wash the skin with soap and water.

Upon ingestion

Call a doctor/physician (Emergency tel 112); Do NOT induce vomiting.

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

No further relevant information available.

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

Symptomatic treatment.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Recommended extinguishing agents

Extinguish with carbon dioxide, sand or powder.

Unsuitable extinguishing agents

May not be extinguished with water dispersed under high pressure.

5.2. Special hazards arising from the substance or mixture

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning.

Emits flammable vapours which may form an explosive mixture with air.

Note that the extinguishing water may contain toxic substances or other hazardous substances.

Combustible liquid, but one which is difficult to ignite.

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

Ensure good ventilation.

Use recommended safety equipment, see section 8.

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

Switch off equipment which has an exposed flame, glows, or has a heat source of some other kind.

6.2. Environmental precautions

Avoid discharge into soil, water or air.

Avoid discharge into sewers.

Always contact the fire department when accidental spillage of this product occurs. Show this safety data sheet.

6.3. Methods and material for containment and cleaning up

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

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.

See also section 7 and 13.

6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

When working with dangerous substances a fume cupboard ought to be used, or else utilise a space which is well ventilated.

Avoid contact with skin and eyes.

Store this product separately from food items and keep it out of the reach of children and pets.

Do not eat, drink or smoke in premises where this product is stored.

Open fires, hot objects, spark formation, or other sources of ignition, are not allowed in the premises where this product is handled.

Prevent build up of static electricity by utilising a semi-conducting floor and shoe soles and keep humidity above 50%.

7.2. Conditions for safe storage, including any incompatibilities

Do not store above normal room temperature.

Handle in a premises which is well ventilated.

Not to be stored in the vicinity of oxygen or any other oxidising gas.

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

PROPAN-2-OL

Time-weighted-average exposure limit (TWA) 400 ppm / 999 mg/m³ Short term exposure limit (STEL) 500 ppm / 1250 mg/m³

n-BUTYL ACETATE

Time-weighted-average exposure limit (TWA) 150 ppm / 724 mg/m³ Short term exposure limit (STEL) 200 ppm / 966 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 both the physical and health hazards (see Sections 2, 10 and 11) of this product according to EU directives 89/391 and 98/24 and national occupational legislation.

Use protective glasses, safety goggles, or a visor.



Gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here are recommended.

Choose a mechanical wear strength in line with the nature of the work in accordance to this pictogram with four digits that indicate resistance against abrasion, cutting effects, tear and puncture, where 1 is the lowest and 4 or 5 is the best.

Protect all exposed skin from coming into contact with the product.

Use proper protective breathing equipment in case of insufficient ventilation.

A breathing mask of the A filter (brown) type, may be required.

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: liquid Colour: Transparent
b) Odour	Solvents
c) Odour threshold	Not applicable
d) pH	Not applicable
e) Melting point/freezing point	Not applicable
f) Initial boiling point and boiling range	Not applicable
g) Flash point	23 °C
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	0.79 kg/L
n) Solubility	Not applicable
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	Not applicable
r) Viscosity	$\leq 20.5 \text{ mm}^2/\text{sek}$
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

May emit volatile, flammable vapours. Avoid handling close to heat or ignition sources.

10.4. Conditions to avoid

Avoid heat, sparks and open flames.

10.5. Incompatible materials

Avoid contact with oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide (CO).

Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General or unspecific toxicity

Note that the product is hazardous to health.

Note, the product will affect discernment.

Harmfulness

Risk for lung injuries.

Sensibilisation

Degreases the skin.

Corrosive and irritating effects

Can have a drying effect on the skin and repeated or prolonged contact may lead to skin irritation.

Effect on judgement and other psychological effects

In high doses, influence on discernment or other mental states cannot be ruled out.

Relevant toxicological properties

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (<0.1% BENZENE)

LD50 rabbit (Dermally) 24h > 2000 mg/kg

LD50 rat (Orally) 24h > 5000 mg/kg

PROPAN-2-OL

LD50 rabbit (Dermally) 24h = 15800 mg/kg

LD50 rat (Dermally) 24h > 12800 mg/kg

LC50 rat (Inhalation) 4h = 72.6 mg

LC50 rat (Inhalation) 4h = 64000 ppmV

LC50 rat (Inhalation) 8h = 16000 ppmV

LD50 rat (Orally) 24h = 5045 mg/kg

n-BUTYL ACETATE

LD50 rabbit (Dermally) 24h > 17600 mg/kg

LC50 rat (Inhalation) 4h = 40 mg/l

LD50 Mouse (Orally) 24h = 6000 mg/kg

LD50 rabbit (Orally) 24h = 3200 mg/kg

LD50 rat (Orally) 24h = 10768 mg/kg oral

ISOPROPYL ACETATE

LD50 rabbit (Dermally) 24h > 20000 mg/kg

LC50 rat (Inhalation) 8h = 51 mg/L

LD50 rat (Orally) 24h = 3000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (<0.1% BENZENE)

LC50 Freshwater water flea (Daphnia magna) 48h > 100 mg/l

LC50 Fish 96h = 2200 mg/l

PROPAN-2-OL

LC50 fathead minnow (Pimephales promelas) 96h = 9640 mg/L

LC50 Freshwater water flea (Daphnia magna) 48h = 2285 mg/L

EC50 Freshwater water flea (Daphnia magna) 48 h = 13299 mg/l

LC50 Fish 96h = 1000 mg/l

EC50 Freshwater water flea (Daphnia magna) 24h 10 - 100 mg/l

EC50 Algae 24h 1 - 10 mg/l

n-BUTYL ACETATE

LC50 fathead minnow (Pimephales promelas) 96h = 18 mg/l

LC50 Ide (Leuciscus idus) 96h = 62 mg/l

EC50 Freshwater water flea (Daphnia magna) 48 h 10 - 100 mg/l

IC50 Algae 72h = 670 mg/l

Prevent release on land, in water and drains.

12.2. Persistence and degradability

There is no information regarding persistence or degradability.

12.3. Bioaccumulative potential

This product or its ingredients do probably not accumulate in nature.

12.4. Mobility in soil

Information about mobility in nature is not available.

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 for the product

Avoid discharge into sewers.

Discarded products must be disposed of as hazardous waste in accordance with regulations.

Classification according to 2006/12

Recommended LoW-code: 14 06 03 Other solvents and solvent mixtures.

Recycling of the product

Residual, old or contaminated product should be disposed of at a waste management facility.

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

1268

14.2. UN proper shipping name

PETROLEUMPRODUKTER, N.O.S. (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (<0.1% BENZENE))

14.3. Transport hazard class(es)

Class

3: Flammable liquids

Classification code (ADR/RID)

F1: Flammable liquids having a flash-point of or below 60 °C

Subsidiary risk (IMDG)

Labels



14.4. Packing group

Packing group: III

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Tunnel restrictions

Tunnel category: D/E.

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

Not applicable

14.8 Other transport information

Transport category: 3; Maximum total quantity per transport unit: 1000 kgs or litres.

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

This is the first version.

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)
<i>Skin Irrit Cron</i>	Repeated exposure may cause skin dryness or cracking
Asp Tox 1	Aspiration toxicity (Category 1)
Flam Liq 2	Flammable liquids (Category 2)
Eye Irrit 2	Irritates eyes (Category 2)
STOT SE 3drow	Specific organ toxicity - Single exposure (Category 3, Narcosis effect)
<i>No environmental hazard</i>	Not classified as being environmentally hazardous

Comprehensive definition of the hazards mentioned in Section 2

Flam Liq 3

Flash point ≥ 23 °C and ≤ 60 °C; Flammable liquid Category 3

Skin Irrit Cron

Substances and mixtures which may cause concern as a result of skin dryness, flaking or cracking but which do not meet the criteria for skin irritancy, based on either: practical observations; or relevant evidence concerning their predicted effects on the skin

STOT SE 3drow

Transient target organ effects: Narcotic effects. These are target organ effects for which a substance does not meet the criteria to be classified in Categories 1 or 2. These are effects which adversely alter human function for a short duration after exposure and from which humans may recover in a reasonable period without leaving significant alteration of structure or function

Asp Tox 1

Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard, based on reliable and good quality human evidence

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

Tunnel restriction code: D/E; Transport by bulk or via tank: Passage forbidden through tunnels of category D and E, Other transportation means: Passage forbidden through tunnels of category E.

Transport category: 3; Maximum total quantity per transport unit: 1000 kgs or litres.

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 2015-06-18.

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.

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

- 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)
- 2006/12 DIRECTIVE 2006/12/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2006 on waste
- 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 hazard statements and/or precautionary statements

Full texts for hazard statements mentioned in section 3

- H226 Flammable liquid and vapour
- EUH066 Repeated exposure may cause skin dryness or cracking
- H304 May be fatal if swallowed and enters airways
- H225 Highly flammable liquid and vapour
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness

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

Other relevant information

Editorial information

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