

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

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

1.1 Product identifier

Trade name: KEMAFOB

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

Recommended Use: Silicone water-repellent impregnation

1.3 Details of the supplier of the Safety Data Sheet:KEMA d.o.o.,
Puconci 393, 9201 Puconci, Slovenija
T: +386 (0)2 545 95 00, F: +386 (0)2 545 95 10
Technical consulting: +386 (0)2 545 95 28, +386 (0)2 545 95 73
I: www.kema-on.net | E: info@kema.siE-mail address of person responsible
for Safety Data Sheets:**1.4 Emergency telephone number:**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixtureLabelling according to Regulation (EC) No
1272/2008 [CLP]:

Other information:

Mixture of hydrocarbon and alkylsilicone resin with
alkoxygroups.**Human hazards:**Harmful to health, when inhaled, ingested or skin
contact (degreasing effect).Eye contact: Irritation of eyes. Skin contact: Drying
effect and in case of longer contact dermatitis.Inhalation: Narcotic effect, drunkenness, cramps,
unconsciousness and in case of longer application
death may occur.Chronic effect: Conjunctivitis, in respiratory tract
inflammation, dermatographism, tottery,
thyroidgland illness.Ingestion: Damage of consciousness, muscle
cramps, slobbering, vomiting, often extremities,
undercooling, loss of reflexes, drunkenness,
unconsciousness, finally comae; lung haemorrhage
and brain swelling may cause death.**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 [CLP]**

Pictograms:

Xn HEALTH THREATENING



Signal word:

Supplemental Hazard information (EU):

2.3 Other hazards:

SECTION 3: Composition/information on ingredients

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

3.1 Substance:**3.2 Mixtures:**

Description of the mixture: Mixture of hydrocarbon and alkylsilicone resin with alkoxygroups

Hazardous ingredients:

Name	CAS No.	EC No.	Index No.	REACH Registration No.	% [weight]	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP)
Petroleum distillate desulphured with hydrogen	64742-82-1	265-185-4	649-330-00-2	Xn	50-100%	R10, 65	

Other information:

The full text for all R-Phrases are described in chapter 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Following inhalation:	Provide fresh air. Seek medical advice and clearly identify substance.
Following skin contact:	Wash with plenty of water or soap and water; immediately remove all contaminated clothing.
Following eye contact:	Rinse immediately with plenty of water for a few minutes and seek medical advice.
Following ingestion:	Do not induce vomiting. Seek medical advice immediately and produce the label or packaging.

Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed:**4.3 Indication of any immediate medical attention and special treatment needed:**

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Suitable: water spray, dry chemical, CO ₂ , alcohol foam, sand
Unsuitable extinguishing media:	Water jet.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products:

5.3 Advice for firefighters

Special protection equipment for fire fighters:

Additional instructions: Possible formation of explosive vapour-air mixtures.

Further information:

In case of fire, wear a self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep unnecessary and unprotected personnel from entering.

For non-emergency personnel:

For emergency responders:

6.2 Environmental precautions:

Do not introduce into sewer system or in shore-waters. Dam up escaped liquid with earth or other suitable material.

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

6.3 Methods and material for containment and cleaning up:

For containment:

For cleaning up:

Absorb mechanically and dispose of according to regulations.
Absorb with a liquid binding material such as diatomaceous earth and dispose of according to regulation.

Further information: Keep away from sources of ignition.

Other information:

6.4 Reference to other sections:

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures:

Ensure adequate ventilation. Remove all possible sources of fire. Handling with products only on properly earmarked places, with equipment according to rules and in safety measures. Liquid is vaporizable, vapours are heavier than air and to spread

Measures to prevent fire:

Measures to prevent aerosol and dust generation:

Measures to protect the environment:

Advice on general occupational hygiene:

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed and store in a well - ventilated place, apart from strong oxidants, flammables, sources of heat, food and drinks.

STORAGE TEMPERATURE: max. +50°C

Packaging materials:

Requirements for storage rooms and vessels:

Storage class:

Further information on storage conditions:

7.3 Specific end use(s):

Precautions against fire and explosion:

Take precautionary measures against static discharges. Keep away from heat, open flames, sparks and other sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational Exposure limit values

Information on monitoring procedures:

DNEL

Environmental protection target:

PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Substance/mixture related measures to prevent exposure during identified uses:

Structural measures to prevent exposure:

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

Limit values related to the work environment:

MDK: 500 mg/m³

Industrial hygiene: When using, do not eat, drink or smoke. Do not breathe vapour. Avoid contact with skin.

Personal protective equipment:

Respiratory protection: When insufficient ventilated wear vapor respirator.

Hand protection: Solvent resistant gloves recommended.

Eye protection: Goggles giving full protection recommended

Skin protection : Solvent resistant protective clothing

Eye and face protection:

Skin protection:

Hand protection:

Other skin protection:

Respiratory protection:

8.2.3 Environmental exposure controls:

SECTION 9: Physical and chemical attributes

9.1 Information on basic physical and chemical properties

Appearance:

liquid

Odour:

characteristic

Odour threshold:

pH:

Melting point / freezing point:

Initial boiling point and boiling range:

140°C-200°C

Flash point:

> 38 C

Evaporation rate:

Flammability (solid, gas):

Upper/lower flammability or explosive limits

Lower:

Upper:

Vapour pressure:

Vapour density:

< 0,81

Relative density:

Solubility(ies):

Practically insoluble

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Explosive properties:

lower: 0,6 vol. %; upper: 6,5 vol. %

Oxidising properties:

9.2 Other Information:

Freezing point: < - 50 °C

Kinematic viscosity at 20°C: 0,98 mm²/s

SECTION 10: Stability and reactivity

10.1 Reactivity:

10.2 Chemical stability:

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

10.3 Possibility of hazardous reactions:

10.4 Conditions to avoid:

Avoid formation of explosive vapor-air mixture.

10.5 Incompatible materials:

10.6 Hazardous decomposition products:

General information:

If stored and handled in accordance with standard industrial practise no hazardous reactions are known.

Hazardous decomposition products:

CO, CO₂, hydrocarbons

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity

Inhalation:

Ingestion:

Dermal:

Skin corrosion/irritation:

Serious eye damage/irritation:

Respiratory or skin sensitisation:

Germ cell mutagenicity:

Carcinogenicity:

Reproductive toxicity:

Summary of evaluation of the CMR properties:

STOT-single exposure:

STOT-repeated exposure:

Aspiration hazard:

Other Information:

Acute toxicity:

The admissible single ambient air concentration is 2500 mg/m³, the ambient air concentration dangerous to life is from 35000 to 40000 mg/m³. The expected lethal dose for adults in the case of ingestion is from 20 to 40 g.

Further toxicological information:

In the case of prolonged exposure, damage to health may occur. Aerosol mist must not be inhaled, as lung damage can be expected.

SECTION 12: Ecological information

12.1 Toxicity:

Not to be discharged into water resources and sewers. Waste may be discharged only after treatment in the mechanical and chemical stages of the water treatment plant.

Acute (short-term) toxicity:

Fish:

Crustacea:

Algae/aquatic plants:

Other organisms:

Chronic (long-term) toxicity:

Fish:

Crustacea:

Algae/aquatic plants:

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

Other organisms:

12.2 Persistence and degradability:

Abiotic Degradation:

Physical- and photo-chemical
 elimination:

Biodegradation:

12.3 Bioaccumulative potential:

Partition coefficient n-octanol /water (log
 Kow):

Bioconcentration factor (BCF):

12.4 Mobility in soil:

12.5 Results of PBT and vPvB assessment:

12.6 Other adverse effects:

12.7 Other information:

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal:

Dispose of according to regulations by incineration in a special
 waste incinerator. Observe local bye-laws.

Waste codes / waste designations
 according to LoW:

Waste treatment-relevant information:

Sewage disposal-relevant information:

Other disposal recommendations:

SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN Number				
14.2 UN proper shipping name				
14.3 Transport hazard class(es)				
14.4 Packing group				
14.5 Environmental hazards				
14.6 Special precautions for user				

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

ADR/RID: Class: 3, 31°C No./UN No.: 30/1300 Labeling.: 3
 Name: 1300 Turpentine substitute
 IMDG: Class 3.3; UN No.: 1300; PG: III; Ems: 3-07; Name:
 Turpentine substitute
 ICAO/IATA: Class 3; UN/ID No.: 1300; PG: III; Name:
 Turpentine substitute

SECTION 15: Regulatory information

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

EU regulations:

Authorisations and/or restrictions on
 use:

Other EU regulations:

EU-SAFETY DATA SHEET

in accordance with Regulation (EC) no. 1272/2008

KEMAFOB

Information according 1999/13/EC
about limitation of emissions of volatile
organic compounds (VOC-guideline):

Restrictions of occupation:

Water hazard class:

According to regulations:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006
- Chemicals Act (official gazette, number 110/2003, 47/2004, 16/2008)
- Rules on the classification, packaging and labelling of dangerous substances (official gazette, number 35/2005, 54/2007)
- Rules on the classification, packaging and labelling of dangerous preparations (official gazette, number 67/2005, 137/2006)
- Decree on waste management (official gazette, number 34/2008)
- Decree on the management of packaging and packaging waste (official gazette, number 84/2006, 106/2006, 110/2007)
- Decision on the publishing of the Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (official gazette, number 9/2007)
- Rules on the protection of workers from risks related to exposure to chemical substances at work (official gazette, number 100/2001, 39/2005, 53/2007)

The above information is based on our knowledge and experience and refer to the product in the state in what is delivered. The purpose of the information is to describe our product in relation to the safety requirements. Entries do not represent assurance the properties of the product in legal terms. Responsibility of the customer's is to know and take into account the legal provisions in relation to transport and use of the product. The characteristics of the product described in the technical information.

SECTION 16: Other Information

Relevant H-statements:

R10 - Flammable
R65 - Harmful: may cause lung damage if swallowed.

Relevant P-statements:

S2 - Hraniti izven dosega otrok.
S16 - Keep away from sources of ignition - No smoking
S33 - Take precautionary measures against static discharges
S45 - In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
S53 - Avoid exposure - obtain special instructions before use
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Reason for change:

Further information:

The meaning of R-phrases:

R10-Highly flammable.
R65-Harmful if swallowed may cause lung damage.

Source for safety sheet:

Safety data sheet is harmonize with annex II Regulation (EC) No 1907/2006.