

## SAFETY DATA SHEET

# PENOSIL Premium Bitum Sealant

Date: 21.03.05  
Version nr.: 4  
Revised: 23.01.2011

### 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier: PENOSIL Premium Bitum Sealant

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

Sealing putty

1.3. Details of supplier of the safety data sheet: Krimelte Ltd  
13619 Tallinn  
Suur-Paala 10  
Estonia  
Tel. +372 605 93 00  
Fax: (+372) 605 93 15

1.4. Emergency telephone number: 112

### 2. Hazards identification

2.1. Classification of the substance or mixture

According to 67/548/EC



Environmental hazard (N)

R10 Flammable

#### Health

Avoid contact with skin and eyes

#### Environment

Do not let into drains and groundwater.

#### Fire

Do not inhale combustion fumes.

### 2.2. Label elements

2.2.1 Hazard symbol:



Environmental hazard (N)

2.2.2 Hazardous ingredients: Light hydrotreated petroleum

2.2.3 R-phrases R10 Flammable

2.2.4 S-phrases S2 Keep out of the reach of children

S7 Keep container tightly closed

S24/S25 Avoid contact with skin and eyes

S51 Use in well-ventilated areas only

2.3. Other hazards

No data available.

## SAFETY DATA SHEET

# PENOSIL Premium Bitum Sealant

### 3. Composition/information on ingredients

#### 3.1. Substances. Classification of substances

CAS-nr.	Chemical name	Content		Classification	
		Max.		According Directive 67/548/EEC	According Regulation 1272/2008 (CLP)
64742-47-8	Distillates	34	%	Xn R10 N R51/53 R65/66	Asp. Tox. 1; H304 Aquatic Chronic 2: H411 Flam Liq. 3: H226

### 4. First aid measures

#### 4.1 Description of first aid measures

Inhalation: Move the exposed person to fresh air. Seek medical attention.  
Skin contact: Wash off with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.  
Contact with eyes: Rinse eyes immediately with plenty of water, keeping the eye open. Seek medical attention.  
Ingestion: Do not induce vomiting or give water to drink. Seek medical attention and show product label.

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

Inhalation No data available  
Skin contact May be irritating to skin.  
Contact with eyes May be irritating to eyes  
Ingestion No data available

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

As a general rule, and in all cases of doubt or when symptoms persist, always seek medical attention.

### 5. Fire fighting measures

#### 5.1 Extinguishing media

5.1.1. Suitable extinguishing media: Use extinguishing media appropriate the surrounding fire conditions. Use as appropriate: water spray, dry extinguishing media, foam and carbon dioxide.

5.1.2 Unsuitable extinguishing media: Water jet

#### 5.2. Special hazards arising from the substance or mixture

Due to high proportion of organic components (bitumen) combustion produces thick black smoke. Inhalation of combustion gases can cause serious damage to health.

5.3. Advice for fire-fighters No specific recommendations.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear protective clothing, goggles and protective chemical resistant gloves. Avoid contact with skin and eyes. R18 In use, may form flammable/explosive vapour-air mixture.

#### 6.2 Environmental precautions:

Do not release the product into the sewer system or the soil; do not flush with large amounts of water. The waste must be handled in accordance with legal requirements.

#### 6.3 Methods and material for containment and cleaning up

Cover with absorbent material to collect, scrape and sweep off after hardening.

## SAFETY DATA SHEET

# PENOSIL Premium Bitum Sealant

### 7. Handling and storage

#### 7.1 Precaution for safe handling:

##### 7.1.1. Protective measures

Ensure good ventilation. Avoid contact with eyes and skin. Make use of protective goggles and protective chemical resistant gloves.

Contains white spirit – keep away from sources of ignition or heat. Take precautions against static electric charging. Solvent vapours are heavier than air and may collect in higher concentrations at floor level.

##### 7.1.2. Advice on general occupational hygiene

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep in a cool, dry, well-ventilated area. Keep the carefully closed cornet at the room temperature, self-life min. 24 months from production.

Do not store with inflammable material. Keep away from highly acid or alkaline substances and oxidizing agents.

### 7.3. Specific end use(s)

Sealing putty

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

CAS Nr	Designation of material	Type	Value/Unit
64742-47-8	Destillate (gas-oil)	TRGS 900	500 mg/cb m

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### 8.2.2. Individual protection measures, such as personal protective equipment

Eye/face protection: During the work make use of protective goggles (EN 166)

Skin protection: During the work make use of protective chemical resistant gloves (EN 374). Wear protective clothing and soft footwear (EN344).

Respiratory protection: Not required if adequate ventilation is provided

8.2.3. Environmental exposure controls Do not release the product into the sewer system or the soil; do not flush with large amounts of water. The waste must be handled in accordance with legal requirements.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	black
Odour	bituminous
pH	Not applicable
Melting point / freezing point	Not relevant
Boiling point	Not relevant
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	Not applicable
Explosion limits	0,6% Lower limit 6,5% upper limit
Vapor pressure	6 hPa 20°C 50 hPa 38°C

## SAFETY DATA SHEET

# PENOSIL Premium Bitum Sealant

Vapor density	Not applicable
Relative density	1,07g/cm <sup>3</sup> 20°C
Solubility	> 0,5 g/l
Solubility in other solvents	Not relevant
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	+240 °C
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Product contains gas-oil 145/200
Oxidizing properties	Not applicable

### 9.2. Other information

Solvent content ca. 34%

## 10. Stability and reactivity

### 10.1. Reactivity

The mixture is not reactive under recommended storage and handling conditions (see section 7).

### 10.2. Chemical stability

The mixture is stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions** In case of fire, the product can create hazardous gases.

**10.4 Conditions to avoid:** Keep away of heat

**10.5. Incompatible materials:** Keep away from strong acid and lye, halogens and strong oxidizing agents

**10.6. Hazardous decomposition products:** None

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1. Substances

11.1.1.1. The relevant hazard classes for which information shall be provided, are:

#### (a) Acute toxicity

All components oral >2000 mg/kg rat.

#### (b) Skin corrosion / irritation

Deprives skin of its natural greases. Irritation of skin possible under long-term exposure of skin to product.

#### (c) Serious eye damage / irritation

Lack of data

#### (d) Respiratory or skin sensitization

Inhalation over longer periods may cause headaches, dizziness and tiredness.

#### (e) Germ cell mutagenicity

Lack of data

#### (f) Carcinogenicity

Lack of data

#### (g) Reproductive toxicity

Lack of data

#### (h) STOT-single exposure

Lack of data

#### (i) STOT-repeated exposure

Lack of data

## 12. Ecological information

### 12.1. Toxicity

Lack of data

### 12.2. Persistence and degradability

Solvent components are biodegradable

### 12.3. Bio-accumulative potential:

Not likely

### 12.4. Mobility in soil:

Swims on water. Immobile, absorbed by soil. Solvent evaporates from water or soil within a day. Substantial part of material (bitumen and its resins), however, remains for longer.

### 12.5. Results of PBT and vPvB assessment:

Lack of data

### 12.6. Other adverse effects

Lack of data

## SAFETY DATA SHEET

# PENOSIL Premium Bitum Sealant

### 13. Disposal considerations

#### 13.1. Waste treatment methods

13.1.1. Product / Packaging disposal: Empty containers may be disposed of together with household waste. Disposal must be made according to official regulations

13.1.2. Waste treatment options: Lack of information

13.2. Additional information: No specific recommendations.

### 14. Transport information

Road ADR Non-hazardous goods

Railway RID Non-hazardous goods

Transport by sea GGVSee/IMDG-Code UN 1139, 3, III (3) „Coating Solution“ EMS 3 – 07, MFAG 310

Air transport ICAO-TI/IATA-DGR UN 1139, 3, III (3), „Coating solution“

### 15. Regulatory information

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

Not applicable

#### 15.2. Chemical safety assessment

Chemical safety assessment is not needed, because product includes non-hazardous substances.

### 16. Other information

#### 16.1. Date of preparation of the latest version of the SDS

Written in the beginning of the safety data sheet.

#### 16.2. Abbreviations and acronyms

TWA: Time Weighted Average

LC50: Lethal Concentration Medium

EC50: Effective Concentration Medium

STOT: Specific target organ toxicity

PBP: Persistent, bioaccumulativ and toxic

vPvB: very persistent very bioaccumulative

Asp. Tox. 1: Aspiration Toxicity Category 1

Flam. Liq. 3: Flammable Liquids Category 3

Aquatic Chronic Category 2

#### 16.3. Key literature references and sources of data

The safety data sheet meets the requirements of the European Parliament and Council Regulation (EC) No.1907/2006 and the Chemicals Act of the Republic of Estonia and regulation No 130 of Minister of Social Affairs.

#### 16.4. Classification and classification procedure used for mixtures

#### 16.5. Relevant R-phrases and/or H-statements (specified in clause 3)

##### According Directive 67/548/EEC

R10 Flammable

R18 In use, may form flammable/explosive vapour-air mixture

R51/53 Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment

R65 Harmful: may cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking

SAFETY DATA SHEET

PENOSIL Premium Bitum Sealant

## SAFETY DATA SHEET

# PENOSIL Premium Bitum Sealant

### According Regulation 1272/2008 (CLP)

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H411 Toxic to aquatic life with long lasting effects

EUH066 Repeated exposure may cause skin dryness or cracking

### 16.6. Training advice

No specific recommendations.

### 16.7. Further information

No specific recommendations