

## SAFETY DATA SHEET

# PENOSIL Premium FastFix Metal

Date: 07.01.2008  
Version nr.: 3  
Revised: 14.01.2012

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

**1.1. Product identifier:** PENOSIL Premium FastFix Metal

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

PENOSIL Premium FastFix Metal - STEEL-REINFORCED EPOXY PUTTY STICK repairs and rebuilds anything made of steel.

**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  
112

**1.4. Emergency telephone number:**

### 2. Hazards identification

**2.1. Classification of the substance or mixture**

According to 67/548/EC



Irritating (Xi)

R43 May cause sensitization by skin contact

R36/38 Irritating to eyes and skin

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### Health

Harmful in contact with skin and if swallowed. Causes burns. In contact with skin may cause sensitization. Irritating eyes and skin. If inhaled may cause irritation.

#### Environment

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### Fire

Do not inhale combustion fumes.

### 2.2. Label elements

2.2.1 Hazard symbol:



Irritating (Xi)

2.2.2 Hazardous ingredients: Bisphenol A-epichlorohydrin

2.2.3 R-phrases

R43 May cause sensitization by skin contact

R36/38 Irritating to eyes and skin

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

2.2.4 S-phrases

S2 Keep out of the reach of children.

## SAFETY DATA SHEET

# PENOSIL Premium FastFix Metal

S24 Avoid contact with skin

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 After contact with skin, wash immediately with plenty of water

S37/39 Wear suitable protective gloves and eye/face protection

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S61 Avoid release to the environment. Refer to special instructions/safety data sheet

**2.3. Other hazards** No data available.

### 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)
25068-38-6 / 25085-99-8	Bisphenol A-epichlorohydrin	8.25	%	Xi R36/38 R43 N R51/53	Lack of data
90-72-2	1,4,6 - tris (dimethylaminomethyl)-phenol	< 1.00	%	Xi R36/38 Xn R22	Lack of data

### 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. Rinse mouth with water several times. Seek medical attention and show product label.

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

Inhalation: May cause irritation to respiratory organs, cough.

Skin contact: Redness, irritation

Contact with eyes: redness, crying effect.

Ingestion: vomiting, sore throat

#### 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: Not known

**5.2. Special hazards arising from the mixture:** Do not inhale combustion fumes.

**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

## SAFETY DATA SHEET

# PENOSIL Premium FastFix Metal

chemical resistant gloves. Avoid contact with skin and eyes. Do not inhale combustion fumes.

### 6.2 Environmental precautions:

Do not let product into drains and ground water. The waste must be handled in accordance with legal requirements. Prevent leaking into surface and ground-water

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

Cured material can be removed mechanically. The waste must be handled in accordance with legal requirements.

## 7. Handling and storage

### 7.1 Precaution for safe handling:

7.1.1. Protective measures      Ensure good ventilation. Keep away from heat and source of ignition – do not smoke. Avoid contact with eyes and skin. Make use of protective goggles and protective chemical resistant gloves.

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 canister at the temperature from +5° C to +30° C.

### 7.3. Specific end use(s)

PENOSIL Premium FastFix Metal - STEEL-REINFORCED EPOXY PUTTY STICK repairs and rebuilds anything made of steel.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

Chemical	Exposure limit value	Exposure limit value (short-term)
Phenol	2 ppm (7,8 mg/m <sup>3</sup> )	-
Epichlorohydrin	0,5 ppm (1,9 mg/m <sup>3</sup> )	- 1ppm (4 mg/m <sup>3</sup> )

### 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). Use protective clothing and soft footwear (EN 344).

Respiratory protection:      Ensure adequate ventilation

#### 8.2.3. Environmental exposure controls      Do not let into environment.

## 9. Physical and chemical properties

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

Appearance	viscous paste
Colour	dark grey
Odour	Specific
pH	not relevant
Melting point / freezing point	Not relevant
Boiling point	Not relevant
Flash point	Not explosive
Evaporation rate	Not applicable

## SAFETY DATA SHEET

# PENOSIL Premium FastFix Metal

Flammability	Not applicable
Explosion limits	not explosive
Vapor pressure	0,79 mmHg
Vapor density	Not applicable
Relative density	2,23 – 2,29 g/cm <sup>3</sup> /+20 °C
Solubility in water	Soluble in water
Solubility in other solvents	Not relevant
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable

### 9.2. Other information

Lack of information

## 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 may release hazardous gas.

**10.4 Conditions to avoid:** Keep away from open flames, hot surfaces and sources of ignition.

**10.5. Incompatible materials:** Strong oxidizer and amines.

**10.6. Hazardous decomposition products:** Ammonia. In case of fire: CO, NO<sub>x</sub> and nitric acid.

## 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

LD<sub>50</sub> oral (rat) (mg/kg): not known

LD<sub>50</sub> dermal, (rabbit) (mg/kg): > 13 700

#### (b) Skin corrosion / irritation

Repeated or prolonged skin contact may cause skin irritation and / or allergies.

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

Lack of data

#### (d) Respiratory or skin sensitization

May cause sensitization in contact with skin.

#### (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

Do not allow to enter the environment. Harmful to aquatic organisms, may cause long-term adverse effects.

### 12.2. Persistence and degradability

Cured material does not degrade

### 12.3. Bio-accumulative potential:

Not likely

### 12.4. Mobility in soil:

Not likely

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

Lack of data

## SAFETY DATA SHEET

# PENOSIL Premium FastFix Metal

### 12.6. Other adverse effects

Lack of data

## 13. Disposal considerations

### 13.1. Waste treatment methods

- 13.1.1. Product / Packaging disposal: The product and packages must be handled in accordance with national and local requirements.
- 13.1.2. Waste treatment options: Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance

### 13.2. Additional information

No specific recommendations.

## 14. Transport information

### 14.1 UN number

Not known

### 14.2 Packing Group

Not known

### 14.3 Road ADR

There are no restrictions

### 14.4 Railway RID

There are no restrictions

### 14.5 Transport by sea GGVSee/IMDG-Code

There are no restrictions

### 14.6 Air transport ICAO-TI/IATA-DGR

There are no restrictions

## 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.

## 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

LC50: Lethal Concentration Medium

EC50: effective Concentration Medium

STOT: Specific target organ toxicity

PBT: Persistent, bio accumulative and toxic

vPvB: very persistent very bioaccumulative

### 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 to directive 67/548/EEC

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

R51 Toxic to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

#### According to regulation 1272/2008 (CLP)

### 16.6. Training advice

No specific recommendations.

### 16.7. Further information

No specific recommendations.