

## SAFETY DATA SHEET

# PENOSIL Premium Foam Remover

Date: 13.11.2012

Version nr.: 2

Revised: 30.06.2014

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

**1.1. Product identifier:** PENOSIL Premium Foam Remover

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

PENOSIL Premium Foam Remover is used for removing cured foam from window frames or even clothers.

**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



Extremely flammable (F+)  
R12 Extremely flammable.  
R36 Irritating to eyes.

**Health**

**Environment**

**Fire**

**2.2. Label elements**

**2.2.1 Hazard symbol:**



Extremely flammable (F+)

**2.2.2 Hazardous ingredients:**

**2.2.3 R-phrases**

R12 Extremely flammable.

R36 Irritating to eyes.

**2.2.4 S-phrases**

S2 Keep out of the reach of children.

S9 Keep container in a well-ventilated place

S16 Keep away from sources of ignition - No smoking!

S24/25 Avoid any contact with skin and eyes.

S37/38 Wear suitable gloves and eye/face protection

S46 If swallowed, seek medical advice immediately and show this container or label

S53 Avoid exposure - obtain special instructions before use



Irritating (Xi)

Irritating to the eyes, respiratory system and skin

Do not let into sewer system or soil.

Extremely flammable



Irritating (Xi)

None

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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)
109-87-5	methylal	5	%	F+ R11 R36/38	Flam. Liq 2: H225 Skin Irrit. 2: H315 Eye Irrit. 1: H319
79-33-4	Lactic acid	5	%	Xi R38 R41	Skin Irrit 2: H315 Eye Damage 1: H318
141-78-6	Ethyl Acetate	5	%	F R11 R36 R66 R67	Flam. Liq. 3: H225 Eye Irrit. 2 H225 STOT SE 3: H336
141-43-5	Ethanolamine	5	%	C R34 Xn R20/21/22	Skin Corr 1B H314 Acute Tox. 4: H332 Acute Tox. 4: H312 Acute Tox. 4: H302
75-28-5	Isobutane	26	%	F+; R12	Flam. Gas 1; H220 Press. Gas H280
74-98-6	Propane	10	%	F+; R12	Flam. Gas 1; H220 Press. Gas H280

### 4. First aid measures

#### 4.1 Description of first aid measures

Inhalation: Seek medical attention immediately. Move the exposed person to fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult give oxygen.

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. Seek medical attention and show product label.

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

May cause irritation and stinging to eyes, skin and respiratory system.

#### 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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.1.2 Unsuitable extinguishing media: Not known

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

If involved in a fire may emit noxious fumes.

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**5.3. Advice for fire-fighters** Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

## 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 Gloves (material: rubber or PVC). Avoid contact with skin and eyes.

### 6.2 Environmental precautions:

Product should not be allowed to enter into drains, soil and groundwater. The waste must be handled in accordance with national and local requirements.

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

Soak liquid into absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. 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. Avoid contact with eyes and skin. Make use of protective goggles and protective 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 in an upright position away from sources of heat and ignition. Keep containers tightly closed. Storage: temperature +10°C to +35 °C. Protect from dust. Do not store in extremes of temperature or near foodstuffs.

**7.3. Specific end use(s)** PENOSIL Premium Foam Remover is used for removing cured foam from window frames or even clothers.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

Components	CAS-No.	Type form of exposure	Control parameters
Methylal	109-87-5	WEL	TWA 8h 1000 ppm STEL 15 min 1250 ppm
Propane	74-98-6	No information	Short time: 2000 mg/m <sup>3</sup> , 1100 ppm Long time: 1500 mg/m <sup>3</sup> , 800 ppm
Butane	106-97-8	No information	Short time: 1810 mg/m <sup>3</sup> , 750 ppm Long time: 1450 mg/m <sup>3</sup> , 600 ppm

### 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). Material: rubber or PVC

Respiratory protection: Use the product only in well-ventilated rooms. Do not inhale fumes. When using in poorly ventilated area, wear a suitable mask (EN 14387).

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8.2.3. Environmental exposure controls Do not let into environment. 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	Liquid under pressure in an aerosol can
Colour	Colourless
Odour	Slight Pear Drops
pH	Not applicable
Melting point / freezing point	0 °C
Boiling point	Not derminated
Flash point	>60 °C
Evaporation rate	Not derminated
Flammability	Combustible
Explosion limits	Low: 1,3 % vol, high: 9,5 % vol.
Vapor pressure	Not derminated
Vapor density	Not derminated
Relative density	1.095 g/ml/+20 °C
Solubility in water	Slightly soluble in water
Solubility in other solvents	soluble in many organic solvents
Partition coefficient: n-octanol/water	Not derminated
Auto-ignition temperature	>100 °C
Decomposition temperature	>100 °C
Viscosity	< 7.0 cSt +20 °C (kinematic)
Explosive properties	Not derminated
Oxidizing properties	Not applicable
<b>9.2. Other information</b>	VOC Content (EU Definition): 697 gm per litre VOC Content (Swiss Definition): 1095 gm per litre

## 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** No information available

**10.4 Conditions to avoid:** High temperature, naked flame

**10.5. Incompatible materials:** strong oxidizing agents

**10.6. Hazardous decomposition products:** Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions.

## 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

	Lactic Acid	Isobutane / propane
Acute Oral toxicity	LD50/rat: 3730 mg/kg	Not applicable
Acute Dermal toxicity	Lack of information	Not applicable
Acute Inhalation toxicity	Lack of information	Not applicable

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### (b) Skin corrosion / irritation

Product is not classified as an skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may lead to de-fatting of the skin and/or slight irritation.

### (c) Serious eye damage / irritation

Product is classified as an eye irritant. Contact with the product is likely to cause irritation and stinging.

### (d) Respiratory or skin sensitization

Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.

(e) Germ cell mutagenicity Lack of information

(f) Carcinogenicity Lack of information

(g) Reproductive toxicity Lack of information

(h) STOT-single exposure Lack of data

(i) STOT-repeated exposure Lack of data

### (j) Ingestion

May irritate mouth, throat and gastro intestinal tract. Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities may cause vomiting and diarrhea.

## 12. Ecological information

### 12.1. Toxicity

	Lactic Acid	Isobutane / propane
Toxicity to fish	LC50/Fish/: 320 mg/l/96h	Not applicable
Toxicity to aquatic invertebrates	EC50/48h/ Daphnia: 240 mg/l	Not applicable
Chronic toxicity to fish	Lack of data	Lack of data
Toxicity to bacteria	IC50 (72 h): 3500 mg/l	Lack of data

### 12.2. Persistence and degradability

The product is readily biodegradable

### 12.3. Bio-accumulative potential:

Not expected to bio-accumulate

### 12.4. Mobility in soil:

Lack of information

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

Lack of information

### 12.6. Other adverse effects

Lack of information

## 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:

Bottles are recyclable.

### 13.2. Additional information

No specific recommendations.

## 14. Transport information

14.1 UN number

1950

14.2 Packing Group

Not known

14.3 Road ADR

Inflammable aerosol Class 2/5F

14.4 Railway RID

Inflammable aerosol Class 2/5F

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14.5 Transport by sea GGVSee/IMDG-Code

Aerosol Class 2

14.6 Air transport ICAO-TI/IATA-DGR

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## 15. Regulatory information

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

Not applicable

15.2. Chemical safety assessment Have not been conducted.

## 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

STEL: Short-term exposure limit- average airborne concentration per 15 minute period.

IDLH: The dose immediately dangerous to life and health.

LC50: Lethal Concentration Medium

EC50: effective Concentration Medium

STOT: Specific target organ toxicity

PBP: Persistent, bioaccumulativ and toxic

vPvB: very persistent very bioaccumulative

Eye Irrit. 2: Serious eye damage/ eye irritation- Category 2

Flam. Gas 1: Flammable Gas- category 1

Press. Gas: Gases under pressure

Skin Irrit. 2: Skin Irritation Category 2

STOT SE 3: Specific target organ toxicity single exposure Category 3

Eye Damage 1: Serious Eye Damage, Category 1

Flam. Liq. 3: Flammable Liquid, Category 3

Skin Corr. 1B: Skin Corrosive, Category 1B

Acute Tox. 4: Acute Toxicity, Category 4

### 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

R11 Highly flammable

R12 Extremely flammable

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R34 Causes burns

R36 Irritating to eyes

R36/38 Irritating to eyes and skin

R38 Irritating to skin

R41 Risk of serious damage to eyes

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

#### According Regulation 1272/2008 (CLP)

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H220 Extremely flammable gas  
H225 Highly flammable liquid and vapour  
H280 Contains gas under pressure; may explode if heated  
H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H314 Causes severe skin burns and eye damage  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H319 Causes serious eye irritation  
H332 Harmful if inhaled  
H336 May cause drowsiness and dizziness

**16.6. Training advice**

No specific recommendations.

**16.7. Further information**

No specific recommendations.