

SAFETY DATA SHEET

PENOSIL Premium Nail&Fix Mirror 936

Date: 12.02.13

Version nr.: 1

Revised:

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

1.1. Product identifier: PENOSIL Premium Nail&Fix Mirror 936

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

Used for installing mirrors and stained glass on most surfaces. Adheres to chip-board, aluminium, galvanized iron, steel, concrete, brick, etc.

Do not use for underwater works or in areas that are in permanent contact with water.

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



Xn Harmful



F Highly flammable



N Environmental hazard

R11 Highly flammable

R36 Irritating to eyes

R38 Irritating to skin

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation

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

R62 Possible risk of impaired fertility

R65 Harmful: may cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

Health

May cause sensitization in contact with skin, eyes, respiratory organs and skin irritation. Harmful through inhalation, in contact with skin and when ingested.

Environment

Do not let into drains and groundwater. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Highly flammable

Fire

2.2. Label elements

2.2.1 Hazard symbol:



Xn Harmful



F Highly flammable



N Environmental hazard

2.2.2 Hazardous ingredients: No ingredients

2.2.3 R-phrases

R11 Highly flammable

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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
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S61 Avoid release to the environment. Refer to special instructions/safety data sheet
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container
2.3. Other hazards High vapour concentration may cause irritation, head ache and dizziness.
Toxicology data: hexane inhalation 5000 ppm 10 min may cause central nervous system damage.

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)
-	Mineral fillers	30	%	-	-
110-54-3	Hexane	30	%	F R11 Xn R38 R48/20 R62 R65 R67 R51/53	Flam. Liq.2: H225 Asp. Tox. 1: H304 Skin Irrit. 2: H315 Repr. 2: H361 STOT SE 3: H336 STOT RE 2: H373 Aqua Chronic 2: H411
-	Resin	30	%	-	-
-	Synthetic rubber				
128-37-0	antioxidant				

4. First aid measures

4.1 Description of first aid measures

Inhalation: Move the exposed person to fresh air. Seek medical attention and show product label.
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

Inhalation Harmful and irritating to respiratory organs.
Skin contact May be irritating to skin.
Contact with eyes May be irritating to eyes
Ingestion Harmful to digestive

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.

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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: No specific recommendations.

5.2. Special hazards arising from the substance or mixture Hazardous decomposition products: CO, easily flammable hydrocarbons, smoke and vapour

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.

6.2 Environmental precautions:

Prevent the spread of flammable vapours. Do not let product into drains and ground water. The waste must be handled in accordance with legal requirements.

6.3 Methods and material for containment and cleaning up

Cured material can be removed mechanically, surfaces can be washed. Uncured material is soluble in the water. The waste must be handled in accordance with legal requirements. Wash contaminated surfaces with water. Do not let into drain system.

7. Handling and storage

7.1 Precaution for safe handling:

7.1.1. Protective measures

Ensure good ventilation. Keep away from source of ignition. 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 cornet at the temperature from +5° C to +30° C, self-life min. 12 months.

7.3. Specific end use(s) Used for installing mirrors and stained glass on most surfaces. Adheres to chip-board, aluminium, galvanized iron, steel, concrete, brick, etc. Do not use for underwater works or in areas that are in permanent contact with water.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit value

Aine	CAS-No.	Exposure type	Exposure limit value
Hexane	110-54-3	TWA	176 mg/m ³ 50 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

Skin protection: During the work make use of protective chemical resistant gloves

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Respiratory protection: Use the product only in well-ventilated rooms.

8.2.3. Environmental exposure controls Do not let into sewer system or 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	Paste
Colour	Brown
Odour	Light oil odour
pH	Not applicable
Melting point / freezing point	68 – 69 °C Hexane
Boiling point	Not relevant
Flash point	-23 °C
Evaporation rate	Not applicable
Flammability	Not applicable
Explosion limits	Not applicable
Vapor pressure	Upper: 7.5 % Lower: 1,2 % Hexane
Vapor density	Not applicable
Relative density	1.16 g/cm ³ /+20 °C
Solubility in water	No
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 data

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 Combustion

10.4 Conditions to avoid: source of ignition

10.5. Incompatible materials: oxidizing agents, acids

10.6. Hazardous decomposition products: CO, easily flammable hydrocarbons, smoke and vapour

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 provides, are:

(a) Acute toxicity

	Hexane
Acute Oral toxicity	LD50 (rat): 24 mg/kg
Acute Dermal toxicity	LD50 (rabbit): 2000 mg/kg
Acute Inhalation toxicity	LC50: >5000 ppm

(b) Skin corrosion / irritation Irritating to skin and mucosa.

(c) Serious eye damage / irritation In contact with eyes, product may irritate.

(d) Respiratory or skin sensitization Irritating to respiratory organs.

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(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

	Hexane
Toxicity to fish	LC50 /48h/: > 1000 microg/l
Toxicity to aquatic invertebrates	Lack of data
Chronic toxicity to fish	Lack of data
Toxicity to bacteria	Lack of data

12.2. Persistence and degradability	Cured product is not degradable.
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
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:	Clean packages can be reused.
13.2. Additional information	No specific recommendations.

14. Transport information

14.1 UN number	UN 1133
14.2 Packing Group	II
14.3 Road ADR	UN 1133 hazard class 3 Adhesive, consists flammable liquids
14.4 Railway RID	UN 1133 Adhesive, consists flammable liquids
14.5 Transport by sea GGVSee/IMDG-Code	UN 1133 Adhesive, consists flammable liquid
14.6 Air transport ICAO-TI/IATA-DGR	UN 1133 Adhesive, consists flammable liquids

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

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Flam. Liq. 2: Flammable Liquid Category 2

Repr. 2: Reproductive toxicity, Category 2

Skin Irrit. 2: Skin Irritation Category 2

STOT SE 3: Specific target organ toxicity Single Exposure Category 3

STOT RE 2: Specific target organ toxicity Repeated Exposure Category 2

Aqua Chronic 2: 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

R11 Highly flammable

R36 Irritating to eyes

R38 Irritating to skin

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation

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

R62 Possible risk of impaired fertility

R65 Harmful: may cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

According Regulation 1272/2008 (CLP)

H225 Highly flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child

H373 May cause damage the organs through prolonged or repeated exposure

H411 Toxic to aquaticlife with long lasting effects

16.6. Training advice

No specific recommendations.

16.7. Further information

No specific recommendations.