

MATERIAL SAFETY DATASHEET

# PENOSIL Gold Gun Low Expansion Foam

Date: 24.11.05

Version nr.: 3

Revised:

## 1. Substance/preparation and company name

PENOSIL Gold Gun Low Expansion

Krimelte Ltd

13619 Tallinn

Suur-Paala 10

Estonia

Tel. +372605 93 00

Emergency information: +372 112

## 2. Composition/information on ingredients

CAS-nr. Chemical name Content Classification

Max. Symbol R-phrase

9016-87-9 Diphenylmethane-4',4'-  
diisocyanate

40 % Xn 20

36/37/38

42/43

74-98-6 Propane 4 % F+ 12

75-28-5 Isobutane 8 % F+ 12

115-10-6 Dimethylether 4 % F+ 12

## 3. Possible hazards

3.1 Inhalation:

The vapor will irritate throat and lungs, serious damage in the respiratory organ in nature of allergy may occur in susceptible subjects.

3.2 Eyes:

Irritating to eyes.

3.3 Skin:

Occasionally, contact produces skin allergy. The propellant is inflammable.

## 4. First aid measures

4.1 If inhaled:

After exposure to vapor moves the patient from the risk of further exposure. Obtain medical attention.

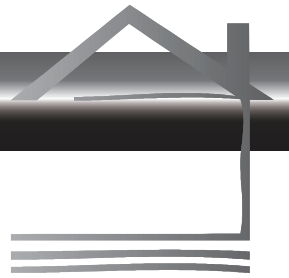
4.2 On contact with eyes:

Wash affected eyes with plenty of water. Obtain medical attention.

4.3 On skin contact:

Clothing contaminated with the product should be removed immediately. Wash contaminated skin with water and soap.

4.4 On ingestion: Do not induce vomiting, never give water to an unconscious person. Obtain medical attention.



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## 5. Fire fighting measures

5.1 Suitable extinguishing media:

Water spray, dry extinguishing media, foam, carbon dioxide.

5.2 Unsuitable extinguishing media:

None

5.3 Special protective equipment:

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

5.4 Special exposure hazards:

Aerosol-can exposed to heat, will produce high pressure, with risk of explosion. Exposed to fire the product will develop fumes in high toxic concentrations. Explosive propellant-air mix can be formed.

## 6. Accidental release measures

6.1 Personal precautions:

See point 8.

6.2 Environmental precautions:

Spillages shall be absorbed by sand or cloths and stored in suitable container, or allow the foam to solidify by moisture or water.

## 7. Handling and storage

7.1 Handling:

Provide good ventilation. No smoking or naked flame. Make use of protective goggles and gloves. During the work consider the content of inflammable gas in the propellant.

7.2 Storage:

Store in cool, dry and good ventilated conditions in upright position. Keep out of direct sunlight.

## 8. Exposure controls and personal protection

Do only use the product in good ventilated rooms. During the work make use of protective goggles and gloves.

## 9. Physical and chemical properties

Appearance Aerosol

Odour Characteristic

pH Not applicable

Boiling point Over +100 C

Flash point Below -20 C

Autoflammability Above +100 C

Explosion limits Low: 2 % vol, high: 10% vol.

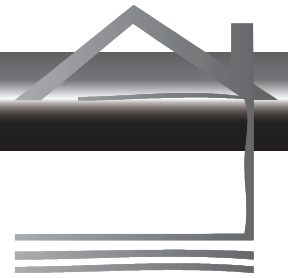
Vapour pressure 5 Bar/+20 C

10 Bar/+50 C

Relative density 1,1 g/mL/+20 C

Viscosity ca 500 cP/+20 C

Solubility Not in water, good in acetone



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## 10. Stability and reactivity

10.1 Conditions to avoid:

Container is pressurized, do not expose the can to heat.

10.2 Hazardous reactions:

In case of fire, the product can create corrosive and hazard gases.

## 11. Toxicological information

LD 50: Not stated. The propellant can displace the oxygen in the air. Breathing the vapor of isocyanate may cause asthmatic allergy.

## 12. Ecological information

The product may not get into drains.

## 13. Disposal considerations

National and local regulations regarding disposal of aerosol cans and chemicals, must be followed.

## 14. Transport information

UN-nr: 1950

RID/ADR Inflammable aerosol Class 2/5F

IMO Aerosol Class 2

## 15. Regulatory information

SYMBOL: Harmful (Xn)

Extremely flammable (F+)

Consists isocyanate. Look for the info from manufacturer.

R12 Extremely flammable.

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

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.

S 23 Do not breathe gas/vapour.

S33 Take precautionary measures against static discharges.

S36/37. Wear suitable protective clothing and gloves

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

S51 Use only in well-ventilated areas.

## 16. Other information

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