

## MATERIAL SAFETY DATASHEET

# **PENOSIL** Premium Foam Cleaner

Date: 02.02.07

Version nr.: 1

Revised:

### **1. Substance/preparation and company name ( NZ distributor )**

Insulation Wholesalers Ltd

635a Makerua Rd

Palmerston North

06 329 8065 021 927 038

Emergency information: 111

### **2. Composition/information on ingredients**

CAS-nr. Chemical name Content Classification

Max. Hazard symbol R-phrases

67-64-1 Acetone 60 % F,Xi R11, R36,

R66, R67

115-10-6 Dimethyl ether 40 % F+ R12

### **3. Possible hazards**

Extremely flammable.

Irritant to the eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

### **4. First aid measures**

4.1 If inhaled:

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

4.2 On contact with eyes:

Rince immediately 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:

Never give water to an unconscious person. Do not induce vomiting. Seek medical advice.

### **5. Fire fighting measures**

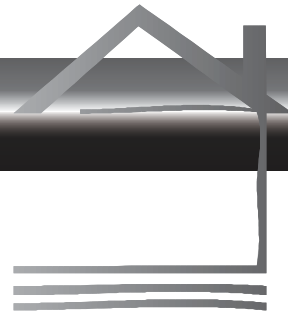
5.1 Suitable extinguishing media:

Chemical powder, carbon dioxide, water, foam.

## **Insulation Wholesalers Ltd**

P.O Box 1826, Palmerston North, New Zealand. **M** : +64 021 927 038 **P**: +64 06 329 8065 **F**: +64 06 329 8064

[www.insulationwholesalers.co.nz](http://www.insulationwholesalers.co.nz)



NEW ZEALAND OWNED – SUPPLYING NEW ZEALAND AND AUSTRALIAN MARKETS

## 5.2 Special protective equipment:

Heat/fire exposure: compressed air/oxygen apparatus

## 5.3 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

By spillage and accidents provide effective ventilation. The product is inflammable. Avoid to breathe the fume.

### 6.2 Environmental precautions:

Avoid that the product run in to the drain. Spillages shall be absorbed by sand or clothes and stored in suitable container, or allow the product to evaporate.

## 7. Handling and storage

7.1 By cleaning e.g. of foam-guns, the user must be familiar with handling of products containing isocyanate. Provide good ventilation. Make use of protective goggles and gloves. During the work consider the content of inflammable gas in the propellant. No smoking or naked flame.

7.2 Store in cool, dry and good ventilated conditions in upright position. The technical instructions for storage of aerosols must be followed.

## 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 Liquid under pressure in an aerosol can

Odour Acetone

pH Not applicable

Boiling point not applicable

Flash point below +0 C

Auto flammability above +100 C

Explosion limits low: 1,5 % vol., high: 12,8 % vol.

Vapour pressure 4 Bar/+20 C, 8 Bar/+50 C

Relative density 0,6 g/mL/+20 C

Viscosity Not specified

Solubility Bad in water, good in acetone

## 10. Stability and reactivity

### 10.1 Conditions to avoid /reactivity

Unstable to exposure to heat.

### 10.2 Materials to avoid

Keep away from heat sources, ignition sources, oxidizing agents, acids, bases.

### 10.3 Hazardous decomposition products

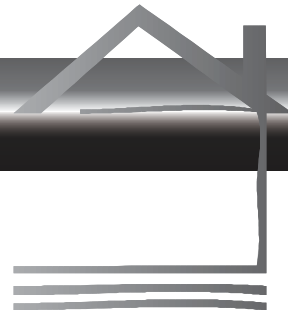
On burning release of carbon monoxide and carbon dioxide.

## 11. Toxicological information

## Insulation Wholesalers Ltd

P.O Box 1826, Palmerston North, New Zealand. **M** : +64 021 927 038 **P**: +64 06 329 8065 **F**: +64 06 329 8064

[www.insulationwholesalers.co.nz](http://www.insulationwholesalers.co.nz)



NEW ZEALAND OWNED – SUPPLYING NEW ZEALAND AND AUSTRALIAN MARKETS

## 11.1 Acute toxicity

### ACETONE:

LD<sub>50</sub> oral rat 5800 mg/kg

LD<sub>50</sub> dermal rabbit 20000 mg/kg

LD<sub>50</sub> dermal rabbit N.D. mg/kg

LC<sub>50</sub> inhalation rat 71 mg/l/4 h

LC<sub>50</sub> inhalation rat 30000 ppm/4 h

### DIMETHYL ETHER:

LC<sub>50</sub> inhalation rat : 308 mg/l/4h

## 11.2 Routes of exposure

Inhalation, eyes and skin

## 11.3 Acute effects/symptoms (upon overexposure)

### AFTER INHALATION:

#### EXPOSURE TO HIGH CONCENTRATIONS:

- Feeling of weakness
- CNS depression
- Dizziness
- Narcosis
- Excited/restless
- Drunkenness
- Disturbed motor

response

- Headache
- Respiratory difficulties
- Disturbances of consciousness

### AFTER EYE CONTACT:

- Irritation of the eye tissue

### AFTER SKIN CONTACT:

#### ON CONTINUOUS EXPOSURE/CONTACT:

- Dry skin
- Cracking of the skin

## 11.4 Chronic effects:

#### ON CONTINUOUS EXPOSURE/CONTACT:

- Red skin
- Skin rash/inflammation
- Dry/sore throat
- Headache
- Nausea
- Feeling of weakness
- Loss of weight
- Inflammation of the respiratory tract

## 12. Ecological information

## Insulation Wholesalers Ltd

P.O Box 1826, Palmerston North, New Zealand. **M** : +64 021 927 038 **P**: +64 06 329 8065 **F**: +64 06 329 8064

[www.insulationwholesalers.co.nz](http://www.insulationwholesalers.co.nz)



NEW ZEALAND OWNED – SUPPLYING NEW ZEALAND AND AUSTRALIAN MARKETS

## ACETONE:

- LC50 (96 h) : 5540 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 39 mg/l (DAPHNIA MAGNA)
- EC50 (96 h) : 7000 mg/l (SELENASTRUM CAPRICORNUTUM)

## 12.2 Mobility:

- Volatile organic compounds (VOC) 100 %

## 12.3 Persistence and degradability:

- biodegradation BOD5 N.D. % ThOD
- water No data available
- soil T ½ N.D. days

## 12.4 Bioaccumulative potential:

- log Pow N.D.
- BCF N.D.

## 12.5 Other adverse effects:

- WGK 1
- Effect on the ozone layer Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect No data available
- Effect on waste water purification No data available

## 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: Irritant (Xi)

Extremely flammable (F+)

R12 Extremely flammable.

R36 Irritating to eyes

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

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!

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

## 16. Other information-

## Insulation Wholesalers Ltd

P.O Box 1826, Palmerston North, New Zealand. **M** : +64 021 927 038 **P**: +64 06 329 8065 **F**: +64 06 329 8064

[www.insulationwholesalers.co.nz](http://www.insulationwholesalers.co.nz)