

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2009

Revision: 10.07.2009

1 Identification of substance:

- **Product details:**
- **Trade name:** Everflex 225 PU
- **Article number:** 74064
- **Application of the substance / the preparation :** Polyurethane sealant
- **Manufacturer/Supplier:**
 Adheseal Pty Ltd
 2/8 Harvton St
 Stafford
 Qld 4053
 Australia
 Phone: 61 7 33560000
 Fax : 61 7 .33560005
 Internet : <http://www.adheseal.com.au>
- **E-mail address of the competent person responsible for the safety data sheet :**
mal@adheseal.com.au
- **Information department:** Laboratory

2 Hazards identification

- **Hazard description:**
 This product is not classified as dangerous according to 1999/45/CE Directive.
- **Information pertaining to particular dangers for man and environment**
 Contains isocyanates. See information supplied by the manufacturer.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
 Adhesive containing a polyurethane prepolymer based on diphenylmethanediisocyanate

- **Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7	xylene, mixture of isomers	☒ Xn, ☒ Xi; R 10-20/21-38	2-5%
CAS: 1305-78-8 EINECS: 215-138-9	calcium oxide	☒ Xi; R 41	< 2.5%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene	☒ Xn, ☒ F; R 11-20	< 2.5%
CAS: 64742-47-8 EINECS: 265-149-8	distillates (petroleum), light	☒ Xn; R 65-66	< 2.5%

- **Additional information :** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation**
 Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
 In case of unconsciousness, place patient stably in side position for transportation.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**
 Rinse opened eye for several minutes under running water. Then consult a doctor.
- **The following symptoms may occur:**
 Drowsiness
 Headache

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Dizziness
Nausea

5 Fire fighting measures

- **Suitable extinguishing agents**
Carbon dioxide
Foam
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Hydrogen cyanide (HCN)
Isocyanates
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation.
Keep away from ignition sources.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Do not close them (reaction with water forming carbon dioxide).

7 Handling and storage

- **Handling**
- **Information for safe handling:** Open and handle receptacle with care
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from humidity and water.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

1330-20-7 xylene, mixture of isomers

WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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100-41-4 ethylbenzene

WEL	Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm
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64742-47-8 distillates (petroleum), lightOEL Short-term value: 1 200 mg/m³, 165 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Avoid close or long term contact with the skin.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation:
Filter AB
- **Protection of hands:**
PVA gloves of superior quality.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection:** Not required.

9 Physical and chemical properties:

- **General Information**

Form:	Pasty
Colour:	Various colours
Odour:	Light

- **Change in condition**

Melting point/Melting range: undetermined
Boiling point/Boiling range: 137°C

- **Flash point:** 40-55°C

- **Flammability (solid)** The product is not subject to classification because its speed of combustion is lower than the limit of the regulation.

- **Self-ignition temperature:** > 200°C

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

Lower:	0.6 Vol %
Upper:	8 Vol %

- **Density at 20°C:** 1.17

- **Solubility in / Miscibility with**

Water:	Insoluble
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **Materials to be avoided:**

- **Dangerous reactions:**

Reacts with alcohols, amines, aqueous acids and alkalis.

Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.

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· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene, mixture of isomers

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
Inhalative	LC50/4 h	6350 mg/l (rat)

100-41-4 ethylbenzene

Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rbt)

· **Primary irritant effect:**

· **on the skin:** May be slightly irritant.

· **on the eye:** Light irritating effect.

· **Sensitization:** No sensitizing effects known.

12 Ecological information:

· **Ecotoxicological effects:**

· **Other information:** -

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must be disposed of in an incinerator for hazardous waste according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Remarks:** Not hazardous

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

· **Remarks:** Not hazardous

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **Proper shipping name:** Not regulated

· **Remarks:** Not hazardous.

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15 Regulations

- **Markings according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The substance is not subject to classification according to EU lists and other sources of literature known to us.

- **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer.

Safety data sheet available for professional user on request.

- **Advised phrases:** S 23 Do not breathe vapour.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This data sheet is particularly in accordance with the european directives 1999/45/EC and 2001/59/EC ; it is written according to the european regulation 1907/2006/EC (annex II).

- **Relevant R-phrases**

10 Flammable.

11 Highly flammable.

20 Harmful by inhalation.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

41 Risk of serious damage to eyes.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

- **Department issuing MSDS:** Laboratory

- **Contact:** Mr. Johnson

- **In accordance with the international norm:** ISO 11014-1

- **An asterisk in the margin of a paragraph means amendments in comparison to the former version.**