

Ident-No: RENPIM 5219 POLYOL

Version 3
Revision Date 25.03.2009

Print Date 09.04.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product information

Trade name : RENPIM 5219 POLYOL

Use : Polyol component for tooling systems

Company : Huntsman Advanced Materials (Europe)BVBA
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2. HAZARDS IDENTIFICATION

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Formulated polyol
preparation

Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
polypropylene glycol	25322-69-4	Xn	R22	10.00 - 20.00
polyoxypropylene diamine (R52/53)	9046-10-0	C	R21/22 R34 R52/53	1.00 - 5.00

4. FIRST AID MEASURES

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist.

Skin contact : Wash off with soap and plenty of water.
If skin irritation persists, call a physician.

Ingestion : Immediately give plenty of water (if possible charcoal slurry).
Obtain medical attention.
Do not induce vomiting.

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5. FIRE-FIGHTING MEASURES

- | | |
|---|--|
| Suitable extinguishing media | : Water spray.
Carbon dioxide (CO ₂).
Foam.
Dry powder. |
| Extinguishing media which must not be used for safety reasons | : High volume water jet. |
| Special protective equipment for fire-fighters | : Wear self-contained breathing apparatus and protective suit. |
| Further information | : Burning produces obnoxious and toxic fumes.
Carbon oxides. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|---------------------------|---|
| Personal precautions | : Keep away from sources of ignition - No smoking.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours/dust. |
| Environmental precautions | : Prevent product from entering drains.
Do not contaminate surface water.
Avoid subsoil penetration. |
| Methods for cleaning up | : Soak up with inert absorbent material and dispose of as hazardous waste. |

7. HANDLING AND STORAGE

Handling

- | | |
|-------------------------|--|
| Advice on safe handling | : Keep away from sources of ignition - No smoking.
Handle and open container with care. |
|-------------------------|--|

Storage

- | | |
|--|--|
| Further information on storage conditions | : Keep away from food, drink and animal feeding stuffs.
Keep container tightly closed.
Keep at temperatures between 6 and 28 °C. |
| Storage hazard class
Huntsman Advanced
Materials | : Storage class 12, Liquids, not dangerous |

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
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Engineering measures

No special precautions required.

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
Filter type AX-P2 (organic vapours, particles)
- Eye protection : Tightly fitting safety goggles.
Face-shield.
- Hand protection : Material of gloves for long term application (BTT>480 min):
Butyl rubber
Ethyl Vinyl Alcohol Laminate (EVAL)
Material of gloves for short term/splash application (10 min<BTT<480 min):
Nitrile rubber
Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).
Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.
Additional information can be found for instance at www.gisbau.de
- Skin and body protection : Protective suit.
Safety shoes.
- Protective measures : Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : liquid
- Colour : beige
- Odour : slight
- pH : approx.11
at (20 °C)
1:1 in water
- Boiling point : > 200 °C

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Thermal decomposition	: > 200 °C
Flash point	: 173 °C Method: DIN 51758 (Pensky-Martens Closed Cup)
Vapour pressure	: 100 Pa at 20 °C
Density	: 1.09 g/cm ³
Water solubility	: at 20 °C Note: practically insoluble
Miscibility with water	: immiscible at 20 °C
Viscosity, dynamic	: 1,700 - 2,100 mPa.s at 25 °C

10. STABILITY AND REACTIVITY

Conditions to avoid	: Note: Take necessary action to avoid static electricity discharge.
Materials to avoid	: no data available
Hazardous decomposition products	: Carbon oxides. Burning produces obnoxious and toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 rat Dose: > 2,000 mg/kg
Eye irritation	: No eye irritation rabbit
Skin irritation	: No skin irritation rabbit dermal

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Further information on ecology

Additional ecological information	: Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.
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13. DISPOSAL CONSIDERATIONS

Product : Waste Key Number: 070208
Must be incinerated, when in compliance with local regulations.

Container : Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

Land transport

ADR:

Regulation: Not dangerous goods

RID:

Regulation: Not dangerous goods

Sea transport

IMDG:

Regulation: Not dangerous goods

Air transport

IATA-DGR:

Regulation: Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EEC Directive

No labelling required

National legislation

Notification status

16. OTHER INFORMATION

List of R-phrases (Section 3)

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R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974. Users of products supplied by Huntsman Advanced Materials should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

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