

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 11.11.2011  
Product: **POLYHEED\* 997**

Version: 1.0

(30337843/SDS\_GEN\_AU/EN)

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## 1. Substance/preparation and company identification

### **POLYHEED\* 997**

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)  
Level 12, 28 Freshwater Place Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600  
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]  
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

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## 2. Hazard identification

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD  
Irritating to eyes.

Use only in well-ventilated areas.

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## 3. Composition/information on ingredients

Chemical nature

Aqueous dispersion of a polymer based on: naphthalene sulfonates

### Hazardous ingredients

sodium thiocyanate

Content (W/W):  $\geq 1\%$  -  $< 2.5\%$

CAS Number: 540-72-7

Hazard symbol(s): Xn, N

R-phrase(s): 20/21/22, 32, 50/53

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

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## 7. Handling and Storage

### Handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

### Storage

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

Protect from temperatures below: 0 °C

The packed product must be protected from temperatures below the indicated one.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

2,2',2"-nitrioltriethanol, 102-71-6;

TWA value 5 mg/m<sup>3</sup> (OEL (AU))

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other. Manufacturer's directions for use should be observed because of great diversity of types.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: dark brown  
 Odour: musty

pH value: approx. 8

Melting point: 0 °C

Information on: water

Melting point: 0 °C

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 Boiling point: 100 °C

Information on: water

Boiling point: 100 °C  
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#### Flash point:

A flash point determination is unnecessary due to the high water content.

Flammability: does not ignite

Ignition temperature: not applicable

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## Information on: water

Vapour pressure: 23.4 hPa  
(20 °C)  
Literature data.

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Density: approx. 1.27 g/cm<sup>3</sup>  
(20 °C)

Relative density: approx. 1.27  
Relative vapour density (air):  
Heavier than air.

Solubility in water: soluble  
(20 °C)

Miscibility with water:  
(20 °C)  
miscible in all proportions

## Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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## 10. Stability and Reactivity

Conditions to avoid:  
See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong acids, strong bases, strong oxidizing agents

Hazardous reactions:  
The product is stable if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Virtually nontoxic after a single ingestion.

### Irritation

Assessment of irritating effects:  
May cause severe damage to the eyes. Not irritating to the skin.

### Sensitization

Assessment of sensitization:

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The chemical structure does not suggest a sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

No sensitizing effect.

### **Repeated dose toxicity**

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity.

### **Genetic toxicity**

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

### **Carcinogenicity**

Assessment of carcinogenicity:

Not expected to be carcinogenic (based on composition).

### **Reproductive toxicity**

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

### **Developmental toxicity**

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

### **Other relevant toxicity information**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. At the present state of knowledge, no negative ecological effects are expected.

### **Mobility**

Assessment transport between environmental compartments:

Adsorption to solid soil phase is expected.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria).

### **Bioaccumulation potential**

Bioaccumulation potential:

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

### **Additional information**

Other ecotoxicological advice:

According to experience, the material has no harmful effect on the environment. Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## **13. Disposal Considerations**

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## **14. Transport Information**

### **Domestic transport:**

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## **15. Regulatory Information**

Poisons Schedule: Not scheduled

### **Regulations of the European union (Labelling)**

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Directive 1999/45/EC ('Preparation Directive'):

## Hazard symbol(s)

Xi	Irritant.
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## R-phrase(s)

R36	Irritating to eyes.
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## S-phrase(s)

S51	Use only in well-ventilated areas.
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**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

**Registration status:**

AICS, AU	released / listed
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**16. Other Information**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xn	Harmful.
N	Dangerous for the environment.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
32	Contact with acids liberates very toxic gas.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.