

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 03.08.2011  
Product: **POLYHEED 916N**

Version: 1.0

(30431825/SDS\_GEN\_NZ/EN)

Date of print 04.08.2011

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## 1. Substance/preparation and company identification

### **POLYHEED 916N**

Use: Product for construction chemicals

Company:

BASF New Zealand Limited  
3 Airpark Drive, Airport Oaks, Manukau  
P.O. Box 407, Auckland 1015, NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

No specific dangers known, if the regulations/notes for storage and handling are considered.

The product contains: formaldehyde  
May produce an allergic reaction.

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## 3. Composition/information on ingredients

Chemical nature

Solution based on: polycarboxylate ether, in water

#### Hazardous ingredients

formaldehyde

Content (W/W):  $\geq 0.1\%$  -  $\leq 0.2\%$

CAS Number: 50-00-0

EC-Number: 200-001-8

INDEX-Number: 605-001-00-5

Hazard symbol(s): T

R-phrase(s): 23/24/25, 34, 40, 43

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. 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: No significant symptoms are expected due to the non-classification of the product.

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

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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. Sources of ignition should be kept well clear. 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:  
No special precautions necessary.

### Storage

Suitable materials for containers: steel  
Further information on storage conditions: Keep away from heat. Store protected against freezing. Do not keep the container sealed. Formation of CO<sub>2</sub> and build up of pressure possible.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

no exposure standard allocated

### 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:

impermeable gloves

Synthetic rubber gloves

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:

light protective clothing

#### General safety and hygiene measures:

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).

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: colourless, opaque  
Odour: characteristic

pH value: 6 - 8  
(23 °C)  
slightly alkaline

Information on: Water  
solidification temperature: 0 °C

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Boiling point: > 100 °C  
Information on: Water  
boiling temperature: 100 °C  
(1,000 hPa)  
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Flash point: not applicable  
Flammability: does not ignite  
Lower explosion limit: not applicable  
Upper explosion limit: not applicable

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Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Vapour pressure:	not applicable	
Information on: Water		
Vapour pressure:	23 mbar (20 °C)	
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Density:	approx. 1.013 - 1.053 g/cm <sup>3</sup> (23 °C)	
Bulk density:	not applicable	
Solubility in water:	soluble 100 g/ml (23 °C)	
Miscibility with water:	completely soluble	
Hygroscopy:	Non-hygroscopic	
Viscosity, dynamic:	not applicable	
Viscosity, kinematic:	not applicable	
Solids content:	12.5 - 16.5 %	(BASF method)

**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

Corrosion to metals: No corrosive effect on metal.

**Hazardous reactions:**

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

**Possible decomposition products:**

carbon dioxide

Traces of the substances/groups of substances mentioned can be released at elevated temperatures.

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## 11. Toxicological Information

### Acute toxicity

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

### Irritation

Assessment of irritating effects:  
Not irritating to eyes and skin. The product has not been tested. The statement has been derived from products of a similar structure or composition.

### Sensitization

Assessment of sensitization:  
A sensitizing effect on particularly sensitive individuals cannot be excluded. The product has not been tested. The statement has been derived from the properties of the individual components.

### Repeated dose toxicity

Assessment of repeated dose toxicity:  
The product has not been tested. The statement has been derived from the properties of the individual components.

### Genetic toxicity

Assessment of mutagenicity:  
The chemical structure does not suggest a specific alert for such an effect.

Ames-test  
Mutagenicity tests revealed no genotoxic potential.

### Carcinogenicity

Assessment of carcinogenicity:  
The chemical structure does not suggest a specific alert for such an effect.

### 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

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On the basis of the product's composition, no acute general toxic effects are to be expected. The product has not been tested. The statement has been derived from products of a similar structure or composition.

The product contains: formaldehyde  
May produce an allergic reaction.

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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.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

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

The product is partially biodegradable. Significant residues will remain. The product has not been tested. The statement has been derived from the properties of the individual components.

### Bioaccumulation potential

Bioaccumulation potential:

No data available concerning bioaccumulation.

### Additional information

Other ecotoxicological advice:

There is a high probability that the product is not acutely harmful to aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from products of a similar structure or composition.

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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

### Regulations of the European union (Labelling)

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

The product does not require a hazard warning label in accordance with EC Directives.

### 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:**

NZIOC, NZ                      released / exempt

Not classified as hazardous according to HSNO criteria

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## 16. Other Information

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

T	Toxic.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
40	Limited evidence of a carcinogenic effect.
43	May cause sensitization by skin contact.

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

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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.