



The Chemical Company

# Safety Data Sheet

## MasterPolyheed 900 also POLYHEED 900

Revision date : 2013/01/07  
Version: 2.0

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(30605617/SDS\_GEN\_CA/EN)

### 1. Product and Company Identification

Company  
BASF Canada Inc.  
100 Milverton Drive  
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information  
CANUTEC (reverse charges): (613) 996-6666  
BASF HOTLINE: (800) 454-COPE (2673)

### 2. Hazards Identification

#### Emergency overview

IRRITANT.  
Irritating to eyes and skin.

State of matter: liquid  
Colour: brown  
Odour: sweetish

#### Potential health effects

##### **Acute toxicity:**

Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from the properties of the individual components.

##### **Irritation / corrosion:**

May cause slight irritation to the eyes. May cause slight irritation to the skin. May cause slight irritation to the respiratory tract. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

##### **Chronic toxicity:**

**Carcinogenicity:** The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Reproductive toxicity:** The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Teratogenicity:** The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

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**Genotoxicity:** The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Signs and symptoms of overexposure:**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Potential environmental effects**

**Aquatic toxicity:**

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

**Bioaccumulation / bioconcentration:**

Discharge into the environment must be avoided.

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### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
7631-99-4	10.0 - 30.0 %	sodium nitrate
540-72-7	0.5 - 1.5 %	sodium thiocyanate
102-71-6	0.5 - 1.5 %	2,2',2''-nitrioltriethanol
111-42-2	0.1 - 1.0 %	2,2'-iminodiethanol

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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.

**If on skin:**

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.

**If in eyes:**

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

**If swallowed:**

Rinse mouth immediately with water. Seek medical attention if necessary. Do not induce vomiting unless told to by a poison control center or doctor.

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### 5. Fire-Fighting Measures

Flash point:

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

Flammability: not flammable

**Suitable extinguishing media:**

foam, water spray, dry powder, carbon dioxide

**Unsuitable extinguishing media for safety reasons:**

water jet

**Hazards during fire-fighting:**

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

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**Protective equipment for fire-fighting:**  
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.

**Cleanup:**  
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

**General advice:**  
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.

#### Storage

**General advice:**  
Keep container tightly closed. Store in unopened original containers in a cool and dry place.

**Temperature tolerance**  
Protect from temperatures below: 5 °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 occupational exposure limits

2,2'-iminodiethanol	ACGIH	TWA value 1 mg/m3 Inhalable fraction and vapor ; Skin Designation Inhalable fraction and vapor ; The substance can be absorbed through the skin.
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#### Personal protective equipment

**Respiratory protection:**  
When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

**Hand protection:**  
Wear chemical resistant protective gloves.

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**Eye protection:**  
Safety glasses with side-shields.

**Body protection:**  
depending upon conditions of use., Cover as much of the exposed skin as possible to prevent all skin contact, light protective clothing

**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	
Odour:	sweetish	
Odour threshold:	No data available.	
Colour:	brown	
pH value:	approx. 8 - 9	( 20 °C)
<i>Information on: Water</i>		
Boiling point:	100 °C	
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Vapour pressure:	approx. 26 mbar	( 25 °C) Information applies to the solvent.
<i>Information on: Water</i>		
Vapour pressure:	23.4 hPa	( 20 °C) Literature data.
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Density:	1.233 g/cm <sup>3</sup>	( 20 °C)
Bulk density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Solubility in water:		( 15 °C) soluble
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

### 10. Stability and Reactivity

**Conditions to avoid:**  
Avoid extreme temperatures.

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

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

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

**Oxidizing properties:**  
Based on its structural properties the product is not classified as oxidizing.

### 11. Toxicological information

**Irritation / corrosion**

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*Information on: sodium nitrate*  
*Assessment of irritating effects:*  
*Not irritating to the skin. May cause slight irritation to the eyes.*

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### Repeated dose toxicity

*Information on: 2,2',2''-nitrioltriethanol*  
*Assessment of repeated dose toxicity:*  
*May affect the liver and kidneys as indicated in animal studies.*

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### Other 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

### Degradability / Persistence Biological / Abiological Degradation

Evaluation: Inherently biodegradable.  
The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

### Other adverse effects:

Ecological data are not available. Do not allow to enter soil, waterways or waste water channels.

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## 13. Disposal considerations

### Waste disposal of substance:

Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

### Container disposal:

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

### Land transport TDG

Not classified as a dangerous good under transport regulations

### Sea transport IMDG

Not classified as a dangerous good under transport regulations

### Air transport

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IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical DSL, CA released / listed

**WHMIS classification:** D2A: Materials Causing Other Toxic Effects - Very toxic material



D2B: Materials Causing Other Toxic Effects - Toxic material



**THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.**

### 16. Other Information

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

**MSDS Prepared by:**  
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MSDS Prepared on: 2013/01/07

END OF DATA SHEET