



The Chemical Company

# Safety data sheet

## POLYHEED® 997

Revision date : 2009/04/07  
Version: 1.1

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(30337843/SDS\_GEN\_US/EN)

### 1. Substance/preparation and company identification

Company  
BASF Construction Chemicals  
100 Campus Drive  
Florham Park, NJ 07932

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
7631-99-4	10.0 - 30.0 %	SODIUM NITRATE
102-71-6	0.5 - 1.5 %	2,2',2"-nitrotriethanol

### 3. Hazard identification

#### Emergency overview

WARNING: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
Ingestion may cause irritation to mucous membranes.  
Avoid contact with the skin, eyes and clothing.  
Wash thoroughly after handling.  
Keep container tightly closed.

#### Potential health effects

##### **Primary routes of exposure**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

### 4. First-aid measures

#### **If inhaled:**

Remove victim to fresh air and away from exposure immediately. If not breathing, give artificial respiration. Seek medical attention.

#### **If on skin:**

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. If symptoms persist, seek medical advice.

#### **If in eyes:**

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

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**If swallowed:**

Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

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### 5. Fire-fighting measures

Flash point:	not applicable
Autoignition:	not applicable
Lower explosion limit:	not applicable
Flammability:	not highly flammable

**Suitable extinguishing media:**

carbon dioxide, dry extinguishing media, foam, water fog

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

**NFPA Hazard codes:**

Health : 2      Fire: 0      Reactivity: 1      Special:

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### 6. Accidental release measures

**Personal precautions:**

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

**Environmental precautions:**

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

**Cleanup:**

Dike spillage. Vacuum up spilled product. Pick up with inert absorbent material (if possible). Dispose of absorbed material in accordance with regulations.

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### 7. Handling and storage

**Handling****General advice:**

Ensure thorough ventilation of stores and work areas.

**Storage****General advice:**

Keep container tightly closed and dry; store in a cool place.

**Temperature tolerance**

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**

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2,2',2"-nitrilotriethanol

ACGIH

TWA value 5 mg/m3 ;

### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

#### Hand protection:

Wear chemical resistant protective gloves.

#### Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

#### Body protection:

Impermeable protective clothing

#### General safety and hygiene measures:

Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

Form:	liquid	
Odour:	musty	
Colour:	dark brown	
pH value:	approx. 8	
Boiling point:	100 °C	
Vapour pressure:		No data available.
Density:	1.27 g/cm3	
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Viscosity, dynamic:		No data available.
Solubility in other solvents:		soluble

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## 10. Stability and reactivity

### Conditions to avoid:

Avoid prolonged exposure to extreme heat. Avoid freezing.

### Substances to avoid:

strong acids, oxidizing agents

### Hazardous reactions:

The product is chemically stable.

No hazardous reactions when stored and handled according to instructions.

### Decomposition products:

oxides, carbon oxides, nitrogen oxides

### Oxidizing properties:

not fire-propagating

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### 11. Toxicological information

#### Acute toxicity

**Oral:**  
No data available.

**Inhalation:**  
No data available.

**Dermal:**  
No data available.

#### **Carcinogenicity:**

*Information on: 2,2',2"-nitrilotriethanol*

*Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.*

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### 12. Ecological information

#### Environmental toxicity

**Other ecotoxicological advice:**  
Ecological data are not available.

### 13. Disposal considerations

#### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.  
Recommendations: Use excess product in an alternate beneficial application.

### 14. Transport information

#### **Land transport**

USDOT

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

#### Federal Regulations

**Registration status:**

TSCA, US released / listed

**OSHA hazard category:** Chronic target organ effects reported, ACGIH TLV established

**SARA hazard categories (EPCRA 311/312):** Acute

#### State regulations

**State RTK**

**CAS Number**

102-71-6

**Chemical name**

2,2',2"-nitrioltriethanol

**State RTK**

MA, PA

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### 16. Other information

**HMIS III rating**

Health: 2 Flammability: 0 Physical hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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**Local contact information**

NTU/R NAFTA

POLYHEED END OF DATA SHEET