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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>7631-99-4</td>
<td>10.0 - 30.0%</td>
<td>SODIUM NITRATE</td>
</tr>
<tr>
<td>102-71-6</td>
<td>0.5 - 1.5%</td>
<td>2,2',2&quot;-nitrilotriethanol</td>
</tr>
</tbody>
</table>

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.
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.

5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Autoignition</td>
<td>not applicable</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>not highly flammable</td>
</tr>
</tbody>
</table>

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:

6. Accidental release measures

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

Environmental precautions:
Contain contaminated water/foam fighting 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.

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.

8. Exposure controls and personal protection

Components with workplace control parameters
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.

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

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
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
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

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<td>MA, PA</td>
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</table>

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.

Local contact information

NTU/R NAFTA

POLYHEED END OF DATA SHEET