

Safety Data Sheet

POZZOLITH 322 N

Revision date : 2011/05/17

Version: 1.1

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(30337848/SDS_GEN_US/EN)

1. Product and Company Identification

Use: Product for construction chemicals

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

WARNING:

Irritating to eyes.
May cause slight irritation to the skin.
Potential sensitizer.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.

State of matter: liquid

Odour: musty

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.

Acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation / corrosion:

Irritating to eyes. May cause slight irritation to the skin.

Sensitization:

Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

Chronic toxicity:

Carcinogenicity: Not expected to be carcinogenic (based on composition).

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Repeated dose toxicity: No reliable data was available concerning repeated dose toxicity.

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

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

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

Signs and symptoms of overexposure:

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

Potential environmental effects

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.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
102-71-6	>= 1.0 - <= 5.0 %	2,2',2"-nitrilotriethanol
111-42-2	>= 0.1 - <= 1.0 %	2,2'-iminodiethanol
59-50-7	>= 0.1 - <= 1.0 %	4-chloro-3-methyl phenol

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. 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 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

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

5. Fire-Fighting Measures

Flash point:

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

Flammability:

does not ignite

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

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Unsuitable extinguishing media for safety reasons:
water jet

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

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.

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.

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.

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:
No special precautions necessary.

Storage

General advice:
Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing. Protect from direct sunlight.

Temperature tolerance

Protect from temperatures below: 0 °C

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

Protect from temperatures below: 32 °F

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 ;

2,2'-iminodiethanol

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ACGIH TWA value 1 mg/m3 Inhalable fraction and vapor ;
Skin Designation Inhalable fraction and vapor ;
The substance can be absorbed through the skin.

Personal protective equipment

Respiratory protection:

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

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure.

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).

9. Physical and Chemical Properties

Form:	liquid	
Odour:	musty	
pH value:	approx. 7.5	
<i>Information on: Water</i>		
solidification temperature:	0 °C	

<i>Information on: Water</i>		
boiling temperature:	100 °C	(1,000 hPa)

<i>Information on: Water</i>		
Vapour pressure:	23 mbar	(20 °C)

Density:	approx. 1.2 g/cm3	(20 °C)
Solubility in water:		(20 °C) completely soluble
Miscibility with water:		(20 °C) miscible
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

Decomposition products:

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

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Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Information on: 4-chloro-3-methyl phenol

Assessment of acute toxicity:

Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion.

Information on: 2,2'-iminodiethanol

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact. The substance can be absorbed through the skin. Inhalation-risk test (IRT): The inhalation of a highly saturated vapor-air-mixture represents no acute hazard (mortality after an hour or later).

Oral:

Type of value: LD50

Species: rat

Value: > 10,000 mg/kg

Irritation / corrosion

Information on: 4-chloro-3-methyl phenol

Assessment of irritating effects:

May cause slight irritation to the skin. May cause severe damage to the eyes.

Information on: 2,2'-iminodiethanol

Assessment of irritating effects:

Skin contact causes irritation. May cause severe damage to the eyes.

Sensitization

Information on: 4-chloro-3-methyl phenol

Assessment of sensitization:

Sensitization after skin contact possible.

Repeated dose toxicity

Information on: 2,2',2"-nitrioltriethanol

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated exposure in animal studies.

May affect the liver and kidneys as indicated in animal studies.

Information on: 2,2'-iminodiethanol

Assessment of repeated dose toxicity:

Repeated oral exposure may affect certain organs.

Other Information:

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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.

12. Ecological Information

Fish

Acute:

Brachydanio rerio/LC50 (96 h): > 1,000 mg/l

Aquatic invertebrates

Acute:

Daphnia sp./EC50 (48 h): > 500 mg/l

Degradability / Persistence Biological / Abiological Degradation

Evaluation: Not readily biodegradable (by OECD criteria).

Bioaccumulation

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

Other adverse effects:

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.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in a licensed facility.

Container disposal:

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

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

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IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category:

IARC 1, 2A or 2B carcinogen; Chronic target organ effects reported; ACGIH TLV established

EPCRA 311/312 (Hazard categories):

Acute; Chronic

EPCRA 313:

CAS Number
59-50-7

Chemical name
4-chloro-3-methyl phenol

CERCLA RQ

5000 LBS
1000 LBS

CAS Number

59-50-7
1310-58-3;
1310-73-2
111-42-2

Chemical name

4-chloro-3-methyl phenol
Potassium hydroxide; Sodium Hydroxide
2,2'-iminodiethanol

State regulations

State RTK

MA, PA
MA, NJ, PA
MA, NJ, PA

CAS Number

102-71-6
111-42-2
59-50-7

Chemical name

2,2',2"-nitilotriethanol
2,2'-iminodiethanol
4-chloro-3-methyl phenol

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. Other Information

HMIS III rating

Health: 2⁺ Flammability: 0 Physical hazard: 0

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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:

BASF NA Product Regulations

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msds@basf.com

MSDS Prepared on: 2011/05/17

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