

Safety Data Sheet

MasterPozzolith 322 also POZZOLITH 322 N

Revision date : 2013/01/07

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Version: 1.2

(30587888/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

State of matter: liquid

Odour: musty

Potential health effects**Acute toxicity:**

Virtually nontoxic after a single ingestion.

Irritation / corrosion:

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

Chronic toxicity:**Carcinogenicity:** Not expected to be carcinogenic (based on composition).**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:** Contains a suspect mutagen.**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.

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3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
102-71-6	1.0 - 5.0 %	2,2',2''-nitritotriethanol
111-42-2	0.1 - 1.0 %	2,2'-iminodiethanol
90-43-7	0.1 - 1.0 %	[1,1'-Biphenyl]-2-ol

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 and then drink plenty of water. Seek medical attention.

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: 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

Protective equipment for fire-fighting:

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

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.

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Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. clay or diatomaceous earth). Place absorbed material in the same container as the spilled substance/product for disposal.

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.

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.

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

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Odour:	musty		
Odour threshold:	No data available.		
pH value:	approx. 7.5		
<i>Information on: Water</i>			
Melting point:	0 °C		

<i>Information on: Water</i>			
Boiling point:	100 °C		

<i>Information on: Water</i>			
Vapour pressure:	23.4 hPa	(20 °C)	Literature data.

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.

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: 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).

Irritation / corrosion

Information on: 2,2'-iminodiethanol

Assessment of irritating effects:

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

Information on: [1,1'-Biphenyl]-2-ol

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*Assessment of irritating effects:
Severely irritating to the skin. Moderately irritating to the eyes.*

Sensitization:

No sensitizing effect.

Repeated dose toxicity

*Information on: 2,2',2''-nitritotriethanol
Assessment of repeated dose toxicity:
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.
The substance may cause damage to the upper respiratory tract even after repeated inhalation, as shown in animal studies.*

Genetic toxicity

*Information on: [1,1'-Biphenyl]-2-ol
In a bacterial test system the substance showed a weak mutagenic effect. The substance was mutagenic in a mammalian cell culture test system. The substance was not mutagenic in a test with mammals.*

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.

12. Ecological Information

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.

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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 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



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