

Safety Data Sheet

MasterEmaco ADH 1420 also CONCRETSIVE 1420

Revision date : 2013/08/09

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Version: 3.0

(30606074/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)

Synonyms: Not Available. Usage: Product for construction chemicals

2. Hazards Identification

Emergency overview

CORROSIVE.
Causes burns.
May cause sensitization by skin contact.
TOXIC IF ABSORBED THROUGH SKIN.

State of matter: liquid
Odour: product specific

Potential health effects**Sensitization:**

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

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
107-21-1	>= 5.0 - <= 10.0 %	ethylene glycol
140-31-8	>= 15.0 - <= 40.0 %	2-piperazin-1-ylethylamine
1675-54-3	>= 15.0 - <= 40.0 %	bisphenol A diglycidylether
25154-52-3	>= 15.0 - <= 40.0 %	nonylphenol

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

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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 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

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Hazards during fire-fighting:

carbon dioxide, carbon monoxide, nitrogen oxides, fumes/smoke, carbon black, corrosive gases/vapours

Protective equipment for fire-fighting:

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

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.

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.

7. Handling and Storage

Handling

General advice:

Keep away from sources of ignition - No smoking. Keep container tightly sealed. Handle and open container with care.

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

Temperature tolerance

Protect from temperatures below: 5 °C

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

8. Exposure Controls and Personal Protection

Components with occupational exposure limits

ethylene glycol

ACGIH TLV TLV value 100 mg/m3 aerosol ;
Ceiling Limit

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Wear chemical resistant protective gloves., Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. 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:	product specific
Odour threshold:	No data available.
Bulk density:	not applicable
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.

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Substances to avoid:

zinc, aluminium, oxidizing agents, strong alkalies, acids

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.

11. Toxicological information

Acute toxicity

Information on: ethylene glycol

Assessment of acute toxicity:

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

Information on: Phenol, 4-nonyl-, branched

Assessment of acute toxicity:

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

Information on: 2-piperazin-1-ylethylamine

Assessment of acute toxicity:

Of low toxicity after single ingestion. Of pronounced toxicity after short-term skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. The European Union (EU) has classified this substance as 'harmful' after oral exposure.

Irritation / corrosion

Information on: Phenol, 4-nonyl-, branched

Assessment of irritating effects:

Corrosive! Damages skin and eyes.

Information on: 2-piperazin-1-ylethylamine

Assessment of irritating effects:

Corrosive! Damages skin and eyes.

Sensitization

Information on: ethylene glycol

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. Human data do not fully exclude a skin sensitizing potential.

Information on: 2-piperazin-1-ylethylamine

Assessment of sensitization:

Sensitization after skin contact possible.

Can sensitize the skin and/or respiratory tract of allergic persons. May produce an allergic reaction.

Repeated dose toxicity

Information on: ethylene glycol

Assessment of repeated dose toxicity:

The substance may cause damage to the kidney after repeated ingestion. The substance may cause damage to the kidney after repeated skin contact with high doses.

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Genetic toxicity

Information on: ethylene glycol

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in a test with mammals.

Carcinogenicity

Information on: crystalline silica

In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosols classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

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NTP listed carcinogen

Reproductive toxicity

Information on: Phenol, 4-nonyl-, branched

The results of animal studies suggest a fertility impairing effect.

Development:

Information on: ethylene glycol

In animal studies the substance caused malformations when given at high doses.

Embryotoxicity and teratogenicity was observed in animal studies, in the absence of maternal toxicity.

Information on: Phenol, 4-nonyl-, branched

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

12. Ecological Information

Other adverse effects:

The product has not been tested.

13. Disposal considerations

Waste disposal of substance:

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.

14. Transport Information

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Land transport

TDG

Hazard class: 8
Packing group: III
ID number: UN 1759
Hazard label: 8
Proper shipping name: CORROSIVE SOLID, N.O.S. (contains NONYLPHENOL, 2-PIPERAZIN-1-YLETHYLAMINE)

Sea transport

IMDG

Hazard class: 8
Packing group: III
ID number: UN 1759
Hazard label: 8
Marine pollutant: NO
Proper shipping name: CORROSIVE SOLID, N.O.S. (contains NONYLPHENOL, 2-PIPERAZIN-1-YLETHYLAMINE)

Air transport

IATA/ICAO

Hazard class: 8
Packing group: III
ID number: UN 1759
Hazard label: 8
Proper shipping name: CORROSIVE SOLID, N.O.S. (contains NONYLPHENOL, 2-PIPERAZIN-1-YLETHYLAMINE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released / listed

WHMIS classification: D1B: Materials Causing Immediate and Serious Toxic Effects - Toxic material



D2A: Materials Causing Other Toxic Effects - Very toxic material



D2B: Materials Causing Other Toxic Effects - Toxic material



E: Corrosive material



This product is WHMIS controlled.

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.

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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.

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END OF DATA SHEET