

Safety data sheet

CONCRECIVE STANDARD LVI PTA

Revision date : 2009/06/26
Version: 1.0

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(30367667/SDS_GEN_CA/EN)

1. Substance/preparation and company identification

Company
BASF CANADA
100 Milverton Drive
Mississauga, ON L5R 4H1

24 Hour Emergency Response Information
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE (800) 454-COPE (2673)

2. Hazardous ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
2425-79-8	>= 10.0 - <= 30.0 %	1,4-bis(2,3-epoxypropoxy)butane

3. Hazard identification

Emergency overview

SENSITIZER. May cause sensitization by skin contact.

Potential health effects

Sensitization:

May cause sensitization by skin contact.

*Information on: Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer
May cause sensitization by skin contact.*

Repeated dose toxicity:

No known chronic effects.

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. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

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If in eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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:	100 °C	(ASTM D93)
Lower explosion limit:		No data available.
Upper explosion limit:		No data available.

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. 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. 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:

The substance/product is non-combustible. The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

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Storage

General advice:

Keep in a cool place. Keep container tightly closed. Store in an approved area.

8. Exposure controls and personal protection

Advice on system design:

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

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour respirator.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. 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:	mild	
Odour threshold:	No data available.	
Colour:	amber	
pH value:		Unspecified
Melting point:	260 °C	
Vapour pressure:		No data available.
Relative density:	1.14	
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Viscosity, dynamic:		No data available.
% volatiles:	0 g/l	
Solubility in other solvents:		insoluble

10. Stability and reactivity

Substances to avoid:

strong bases, strong acids, amines

Decomposition products:

carbon oxides, nitrogen oxides, aldehydes

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11. Toxicological information

Sensitization:

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

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

Ecological data are not available.

13. Disposal considerations

Waste disposal of substance:

Incinerate or dispose of in a licensed facility.
Observe all local regulations.

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:

DSL, CA

released / listed

WHMIS classification: D2B: Materials Causing Other Toxic Effects - 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.

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16. Other information

Local contact information

Construction Chemicals

bcc_prps@basf.com

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2. Hazardous ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
100-42-5	>= 0.1 - <= 1.0 %	styrene
108-95-2	>= 1.0 - <= 5.0 %	phenol
111-40-0	>= 7.0 - <= 13.0 %	2,2'-iminodi(ethylamine)
124-09-4	>= 1.0 - <= 5.0 %	hexamethylenediamine

3. Hazard identification

Emergency overview

CORROSIVE. SENSITIZER. COMBUSTIBLE. Causes burns.
Contains a suspect carcinogen.

Potential health effects

Irritation:
Causes burns.

Sensitization:
Information on: 2,2'-iminodi(ethylamine)
Sensitization after skin contact possible.

Potential environmental effects

Aquatic toxicity:
No data available concerning aquatic toxicity.

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:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.

5. Fire-fighting measures

Flash point: 90 °C

Lower explosion limit:

No data available.

Upper explosion limit:

No data available.

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

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:

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. 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 substance/product is non-combustible. 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.

8. Exposure controls and personal protection

Components with workplace control parameters

Phenol, 2-(1-methylpropyl)-

phenol	ACGIH	TWA value 5 ppm ; Skin Designation ;
	OSHA	PEL 5 ppm 19 mg/m ³ ; Skin Designation ;
	ACGIH	TWA value 5 ppm ; Skin Designation ;
2,2'-iminodi(ethylamine)	ACGIH	TWA value 1 ppm ; Skin Designation ;

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:	ammonia-like	
Odour threshold:	No data available.	
Colour:	amber	
pH value:		not applicable
Boiling point:	206 °C	
Vapour pressure:		(20 °C)
Relative density:	0.97	
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Viscosity, dynamic:		No data available.
% volatiles:	0 g/l	
Solubility in other solvents:		slightly soluble

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10. Stability and reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

zinc, aluminium, oxidizing agents, strong alkalies, acids, mild steel, carbon steel (iron)

Hazardous reactions:

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

Decomposition products:

carbon oxides, nitrogen oxides, aldehydes

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Sensitization:

Can sensitize the skin and/or respiratory tract of allergic persons.

Chronic toxicity

Carcinogenicity:

Information on: styrene

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other information:

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. According to experience, the material has no harmful effect on the environment.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with local authority regulations.
Do not discharge into drains/surface waters/groundwater.

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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

TDG

Hazard class: 8
Packing group: III
ID number: UN 2735
Hazard label: 8
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains CYCLOHEX-1,2-YLENEDIAMINE)

Sea transport

IMDG

Hazard class: 8
Packing group: III
ID number: UN 2735
Hazard label: 8
Marine pollutant: NO
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains CYCLOHEX-1,2-YLENEDIAMINE)

Air transport

IATA/ICAO

Hazard class: 8
Packing group: III
ID number: UN 2735
Hazard label: 8
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains CYCLOHEX-1,2-YLENEDIAMINE)

15. Regulatory information

Federal Regulations

Registration status:

DSL, CA released / listed

WHMIS classification: B3: Combustible Liquid

D2A: Materials Causing Other Toxic Effects - Very toxic material

D2B: Materials Causing Other Toxic Effects - 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.

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