

# Safety Data Sheet

## CONCRESE PASTE SPL PTA

Revision date : 2011/09/28

Version: 1.2

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(30367665/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

Emergency overview

SENSITIZER.

May cause sensitization by skin contact.

Prolonged contact may cause allergic skin reactions.

CONTAINS MATERIAL WHICH MAY CAUSE CANCER.

State of matter: liquid

Colour: white

Odour: mild

Potential health effectsIrritation / corrosion:

Irritating to eyes and skin.

Potential environmental effectsAquatic toxicity:

The product has not been tested.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
14807-96-6	>= 15.0 - <= 40.0 %	talc
25068-38-6	>= 15.0 - <= 40.0 %	bisphenol A-epichlorohydrin resin
25085-99-8	>= 15.0 - <= 40.0 %	Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer
17557-23-2	>= 10.0 - <= 30.0 %	Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis-
13463-67-7	>= 1.0 - <= 5.0 %	Titanium dioxide

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### 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.

**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 with water. Seek medical attention if necessary. Do not induce vomiting unless told to by a poison control center or doctor.

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### 5. Fire-Fighting Measures

Flash point:	249 °C	(ASTM D93)
Self-ignition temperature:		not self-igniting

**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:**

Wear a self-contained breathing apparatus.

**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.

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### 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.

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### 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 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, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

### 8. Exposure Controls and Personal Protection

#### Components with workplace control parameters

Titanium dioxide

talc	ACGIH	TWA value	10 mg/m3 ;
	OSHA	TWA value	20 millions of particles per cubic foot of air ;
		TWA value	2.4 millions of particles per cubic foot of air
		Respirable	;
		The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.	
		TWA value	0.1 mg/m3 Respirable ;
		The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.	
		TWA value	0.3 mg/m3 Total dust ;
		The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.	
	ACGIH	TWA value	2 mg/m3 Respirable fraction ;
		The value is for particulate matter containing no asbestos and <1% crystalline silica.	

#### 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:**

depending upon conditions of use., Cover as much of the exposed skin as possible to prevent all skin contact., light 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).

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### 9. Physical and Chemical Properties

Form:	paste	
Odour:	mild	
Odour threshold:	No data available.	
Colour:	white	
Boiling point:	approx. 100 °C	
Relative density:	1.16	
Vapour density:		Heavier than air.
Solubility in other solvents:		insoluble

### 10. Stability and Reactivity

**Conditions to avoid:**

Avoid extreme temperatures.

**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:**

carbon oxides, nitrogen oxides, aldehydes

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Oxidizing properties:**

Based on its structural properties the product is not classified as oxidizing.

### 11. Toxicological information

**Irritation / corrosion**

*Information on: bisphenol A-epichlorohydrin resin*

*Assessment of irritating effects:*

*Eye contact causes irritation. Skin contact causes irritation.*

**Sensitization**

*Information on: bisphenol A-epichlorohydrin resin*

*Assessment of sensitization:*

*Sensitization after skin contact possible.*

*Information on: Oxirane, 2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bis-, homopolymer*

*Assessment of sensitization:*

*May cause sensitization by skin contact.*

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

**Carcinogenicity**

*Information on: Titanium dioxide*

*IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a*

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*carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.*

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## 12. Ecological Information

### Other adverse effects:

Do not discharge product into the environment without control. 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

### 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

D2B: Materials Causing Other Toxic Effects - Toxic material



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**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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**MSDS Prepared by:**

BASF NA Product Regulations

msds@basf.com

BASF HOTLINE (800) 454 – COPE (2673)

MSDS Prepared on: 2011/09/28

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### 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

Emergency overview

COMBUSTIBLE.  
CORROSIVE.  
May cause sensitization by skin contact.  
Causes burns.

State of matter: liquid  
Colour: amber  
Odour: ammonia-like

Potential health effects**Irritation / corrosion:**

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

**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.

Potential environmental effects**Aquatic toxicity:**

The product has not been tested.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
14807-96-6	>= 30.0 - <= 60.0 %	talc
25620-58-0	>= 10.0 - <= 30.0 %	1,6-Hexanediamine, C,C,C-trimethyl-
89-72-5	>= 10.0 - <= 30.0 %	Phenol, 2-(1-methylpropyl)-
68479-98-1	>= 7.0 - <= 13.0 %	diethylmethylbenzenediamine
90-72-2	>= 7.0 - <= 13.0 %	2,4,6-tris(dimethylaminomethyl)phenol

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111-40-0	>= 3.0 - <= 7.0	%	2,2'-iminodi(ethylamine)
112945-52-5	>= 1.0 - <= 5.0	%	Silica
80-05-7	>= 1.0 - <= 5.0	%	bisphenol A
71074-89-0	>= 1.0 - <= 5.0	%	Phenol, bis[(dimethylamino)methyl]-

### 4. First-Aid Measures

**General advice:**

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

**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.

### 5. Fire-Fighting Measures

Flash point: 90 °C (ASTM D93)

**Suitable extinguishing media:**

carbon dioxide, dry powder, foam, water spray

**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:**

Dike spillage. Contain spills and cover with absorbent material.

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### 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.

##### **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.

### 8. Exposure Controls and Personal Protection

#### Components with workplace control parameters

Phenol, 2-(1-methylpropyl)-

ACGIH

TWA value 5 ppm ; Skin Designation ;  
The substance can be absorbed through the skin.

2,2'-iminodi(ethylamine)

ACGIH

TWA value 1 ppm ; Skin Designation ;  
The substance can be absorbed through the skin.

talc

OSHA

TWA value 20 millions of particles per cubic foot of air ;  
TWA value 2.4 millions of particles per cubic foot of air  
Respirable ;  
The value is calculated from a specified equation using a  
value of 100%. Lower values of % will give higher  
exposure limits. See regulation for specific equation.  
TWA value 0.1 mg/m3 Respirable ;  
The value is calculated from a specified equation using a  
value of 100%. Lower values of % will give higher  
exposure limits. See regulation for specific equation.  
TWA value 0.3 mg/m3 Total dust ;  
The value is calculated from a specified equation using a  
value of 100%. Lower values of % will give higher  
exposure limits. See regulation for specific equation.

ACGIH

TWA value 2 mg/m3 Respirable fraction ;  
The value is for particulate matter containing no asbestos  
and <1% crystalline silica.

Silica

OSHA

TWA value 20 millions of particles per cubic foot of air ;  
TWA value 0.8 mg/m3 ;  
The exposure limit is calculated from the equation,  
80/(%SiO2), using a value of 100% SiO2. Lower  
percentages of SiO2 will yield higher exposure limits.

#### 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.

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**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:	paste	
Odour:	ammonia-like	
Odour threshold:	No data available.	
Colour:	amber	
Relative density:	0.97	
Vapour density:		Heavier than air.
Solubility in water:		slightly soluble
Solubility in other solvents:		slightly soluble

## 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

**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

**Acute toxicity**

*Information on: diethylmethylbenzenediamine*

*Assessment of acute toxicity:*

*The substance/product can be absorbed through the skin in toxic amounts.*

*Information on: 2,4,6-tris(dimethylaminomethyl)phenol*

*Assessment of acute toxicity:*

*Of moderate toxicity after single ingestion. EU-classification*

*Information on: 2,2'-iminodi(ethylamine)*

*Assessment of acute toxicity:*

*Of moderate toxicity after single ingestion. Of very high toxicity after short-term inhalation. Of pronounced toxicity after short-term skin contact.*

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*Information on: bisphenol A*

*Assessment of acute toxicity:*

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

### **Irritation / corrosion**

*Information on: 2,4,6-tris(dimethylaminomethyl)phenol*

*Assessment of irritating effects:*

*Eye contact causes irritation. Skin contact causes irritation.*

*Information on: 2,2'-iminodi(ethylamine)*

*Assessment of irritating effects:*

*Corrosive! Damages skin and eyes. May cause severe damage to the eyes.*

*Information on: bisphenol A*

*Assessment of irritating effects:*

*May cause slight irritation to the skin. Causes temporary irritation of the respiratory tract. May cause severe damage to the eyes.*

### **Sensitization**

*Information on: diethylmethylbenzenediamine*

*Assessment of sensitization:*

*Sensitization after skin contact possible.*

*Information on: 2,2'-iminodi(ethylamine)*

*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: 2,2'-iminodi(ethylamine)*

*Assessment of repeated dose toxicity:*

*May affect the liver and kidneys as indicated in animal studies. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.*

*Information on: bisphenol A*

*Assessment of repeated dose toxicity:*

*The substance may cause damage to the lung after repeated inhalation.*

### **Carcinogenicity**

*Information on: diethylmethylbenzenediamine*

*The chemical structure suggests a carcinogenic potential.*

*Information on: 2,2'-iminodi(ethylamine)*

*The substance showed no carcinogenic activity in animals after chronic administration to the skin.*

*Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.*

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## **12. Ecological Information**

### **Other adverse effects:**

Do not discharge product into the environment without control. The product has not been tested.

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### 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

**Land transport**

TDG

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

**Sea transport**

IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8
Marine pollutant:	NO
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

**Air transport**

IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical                      DSL, CA                      released / listed

**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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#### MSDS Prepared by:

BASF NA Product Regulations

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MSDS Prepared on: 2011/09/30

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