

# Safety Data Sheet

## Enertite® 1-2-1 RESIN

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Version: 3.0

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(30469173/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)

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Synonyms: Urethane System Resin Component

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### 2. Hazards Identification

#### Emergency overview

Causes severe skin burns and eye damage.  
May be harmful if swallowed.

State of matter: liquid  
Colour: yellow, clear  
Odour: amine-like

#### Potential health effects

##### **Irritation / corrosion:**

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

##### **Assessment other acute effects:**

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

##### **Sensitization:**

The chemical structure does not suggest a sensitizing effect.

##### **Chronic toxicity:**

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

**Repeated dose toxicity:** Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

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

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**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 reaction of the human body to the product known.  
No hazards anticipated.

**Potential environmental effects**

**Aquatic toxicity:**

Acutely harmful for aquatic organisms. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Degradation / environmental fate:**

Poorly biodegradable.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
2212-32-0	>= 3.0 - <= 7.0 %	2-((2-(dimethylamino)ethyl)methylamino)ethanol
52624-57-4	>= 15.0 - <= 40.0 %	Oxirane, methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)
9046-10-0	>= 3.0 - <= 7.0 %	alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethanediyl))

### 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

**If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

**If on skin:**

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

**If in eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:**

Do not induce vomiting. Immediately rinse mouth and then drink 200-300 ml 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: > 94 °C  
Autoignition: > 250 °C  
> 250 °C

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Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.
Upper explosion limit:	For liquids not relevant for classification and labelling.
Flammability:	not flammable
Self-ignition temperature:	not self-igniting

**Suitable extinguishing media:**  
water spray, dry powder, carbon dioxide, foam

### **Hazards during fire-fighting:**

No particular hazards known.

### **Protective equipment for fire-fighting:**

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

### **Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

### **Personal precautions:**

Use personal protective clothing.

### **Environmental precautions:**

Do not empty into drains. Do not discharge into the subsoil/soil.

### **Cleanup:**

Spills should be contained, solidified, and placed in suitable containers for disposal.

### **Further information:**

High risk of slipping due to leakage/spillage of product.

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## 7. Handling and Storage

### **Handling**

#### **General advice:**

Ensure thorough ventilation of stores and work areas. Protect against moisture.

#### **Protection against fire and explosion:**

No explosion proofing necessary.

### **Storage**

#### **General advice:**

Avoid extreme heat. Store protected against freezing.

#### **Storage incompatibility:**

General advice: Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

#### **Storage stability:**

Storage temperature: 60 - 80 °F  
Protect against moisture.

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### 8. Exposure Controls and Personal Protection

**Advice on system design:**

Provide local exhaust ventilation to control vapours/mists.

**Personal protective equipment**

**Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

**Hand protection:**

Chemical resistant protective gloves

**Eye protection:**

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

**Body protection:**

Standard work clothes and shoes.

**General safety and hygiene measures:**

Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	amine-like	
Odour threshold:	No data available.	
Colour:	yellow, clear	
pH value:	>= 7	
Freezing point:		No applicable information available.
Boiling point:	> 140 °C	
Sublimation point:		No applicable information available.
Vapour pressure:	< 0.1 hPa	( 25 °C)
Density:	1.11 g/cm3	( 20 °C)
Relative density:		No applicable information available.
Bulk density:		not applicable
Vapour density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:		not determined
Viscosity, kinematic:		No applicable information available.
Solubility in water:		not soluble
Solubility in other solvents:		No applicable information available.
Solubility (qualitative):	No applicable information available.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

### 10. Stability and Reactivity

**Conditions to avoid:**

Temperature: < 0 degrees Celsius

**Substances to avoid:**

acids, oxidizing agents, isocyanates

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### Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

### Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Corrosion to metals:

No corrosive effect on metal.

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## 11. Toxicological information

### Irritation / corrosion

*Information on: 2-((2-(dimethylamino)ethyl)methylamino)ethanol*

*Assessment of irritating effects:*

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

*Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))*

*Assessment of irritating effects:*

*Corrosive! Damages skin and eyes.*

*Information on: Oxirane, methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)*

*Assessment of irritating effects:*

*Not irritating to the skin. May cause severe damage to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

### Aspiration Hazard:

No aspiration hazard expected.

### Other Information:

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

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## 12. Ecological Information

### Degradability / Persistence

#### Biological / Abiological Degradation

Evaluation: Poorly biodegradable.

### Other adverse effects:

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

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## 13. Disposal considerations

### Waste disposal of substance:

Incinerate in a licensed facility. Dispose of in a licensed facility. Do not discharge substance/product into sewer system.

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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.  
Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

## 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 POLYETHERAMINE)

### 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 POLYETHERAMINE)

### 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 POLYETHERAMINE)

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical DSL, CA released / listed

**WHMIS classification:** E: Corrosive material

D1B: Materials Causing Immediate and Serious Toxic Effects - 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

Recommended use: polyurethane component industrial chemicals  
Suitable for use in industrial sector: Polymers industry; chemical industry

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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**SDS Prepared by:**  
BASF NA Product Regulations

BASF HOTLINE (800) 454 – COPE (2673)  
SDS Prepared on: 2014/07/23

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