

# Safety Data Sheet

## Enertite® 1-2-1 RESIN

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(30469173/SDS\_GEN\_CA/EN)

### 1. Identification

Product identifier used on the label

**Enertite\* 1-2-1 RESIN**

#### Recommended use of the chemical and restriction on use

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

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

Company:

BASF Canada Inc.  
100 Milverton Drive  
Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

CANUTEC (reverse charges): (613) 996-6666  
BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

Synonyms: Urethane System Resin Component

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### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

##### Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute

##### Label elements

Pictogram:

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Signal Word:  
Danger

Hazard Statement:

H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.  
P273 Avoid release to the environment.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P362 + P364 Take off contaminated clothing and wash before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
13674-84-5	>= 15.0 - < 20.0%	tris(2-chloro-1-methylethyl)phosphate
77098-07-8	>= 7.0 - < 15.0%	1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, mixed esters with diethylene glycol and propylene glycol
2212-32-0	>= 5.0 - < 7.0%	2-((2-(dimethylamino)ethyl)methylamino)ethanol
9046-10-0	>= 3.0 - < 7.0%	alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))
33329-35-0	>= 0.3 - < 3.0%	tris(3-dimethylamino)propylamine
112-69-6	>= 0.3 - < 3.0%	hexadecyldimethylamine

## 4. First-Aid Measures

### Description of first aid measures

General advice:

Remove contaminated clothing.

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### 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:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

*Information on: tris(2-chloro-1-methylethyl)phosphate*

*Symptoms: Overexposure may cause:., convulsions, depression, hypoxemia, tremors*

Hazards: No hazards anticipated.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

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

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
No particular hazards known.

### Advice for fire-fighters

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

### Further accidental release measures:

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



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### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

### Environmental precautions

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

### Methods and material for containment and cleaning up

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

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## 7. Handling and Storage

### Precautions for safe handling

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

Protection against fire and explosion:

No explosion proofing necessary.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Further information on storage conditions: No special precautions necessary. Avoid extreme heat.

Store protected against freezing.

Storage stability:

Storage temperature: 60 - 80 °F

Protect against moisture.

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## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### 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:

Wear face shield or tightly fitting safety goggles (chemical goggles) 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.

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### 9. Physical and Chemical Properties

Form:	liquid
Odour:	amine-like
Odour threshold:	not applicable
Colour:	yellow, clear
pH value:	>= 7
Freezing point:	No applicable information available.
Boiling point:	> 140 °C
Sublimation point:	No applicable information available.
Flash point:	> 94 °C
Flammability:	not flammable
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.
Autoignition:	> 250 °C > 250 °C
Vapour pressure:	< 0.1 hPa ( 25 °C)
Density:	1.11 g/cm <sup>3</sup> ( 20 °C)
Relative density:	No applicable information available.
Bulk density:	not applicable
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	No applicable information available.
Solubility in water:	not soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

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### 10. Stability and Reactivity

#### Reactivity

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

Corrosion to metals:

No corrosive effect on metal.

#### Chemical stability

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

#### Possibility of hazardous reactions

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

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### Conditions to avoid

Temperature: < 0 degrees Celsius

### Incompatible materials

acids, oxidizing agents, isocyanates

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: No known acute effects.

#### Oral

No applicable information available.

#### Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment other acute effects

Assessment of STOT single:

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

Origin of data: expert judgement

#### Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to the eyes.

#### Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect. No applicable information available.

#### Aspiration Hazard

No aspiration hazard expected.



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### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of 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.

#### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

#### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

#### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

#### Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

#### Other Information

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

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

#### Assessment biodegradation and elimination (H2O)

Poorly biodegradable.

#### Elimination information

Poorly biodegradable.

### Bioaccumulative potential

#### Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

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### Mobility in soil

#### Assessment transport between environmental compartments

Adsorption to solid soil phase is not expected.

### Additional information

Adsorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen.

Other ecotoxicological advice:  
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.

### **Container disposal:**

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.

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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

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## 15. Regulatory Information

### Federal Regulations

#### **Registration status:**

Chemical            DSL, CA    released / listed



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### 16. Other Information

**SDS Prepared by:**  
BASF NA Product Regulations  
SDS Prepared on: 2015/09/09

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