

# Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

**Initial preparation date:** 22.02.2022

**Revision date:** 10.05.2022

## SECTION 1: Identification

### Product identifier

**Product name:** Nerpa Polymers Casting Epoxy Part B

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

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

### Manufacturer details

Nerpa Polymers Inc.  
112-2845 23 St NE  
Calgary, AB, Canada  
<https://www.nerpa.ca>  
[info@nerpa.ca](mailto:info@nerpa.ca)

### Emergency telephone number:

+1 (866) 730-6592

## SECTION 2: Hazard identification

### GHS classification:

Skin corrosion, category 1A

Serious eye damage, category 1

Acute toxicity (oral), category 4

Acute toxicity (dermal), category 4

### Label elements

#### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

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H302 Harmful if swallowed

H312 Harmful in contact with skin

## Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P270 Do not eat, drink or smoke when using this product

P321 Specific treatment (No specific treatment)

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

P363 Wash contaminated clothing before reuse

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

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/doctor

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P330 Rinse mouth

P312 Call a POISON CENTER/doctor if you feel unwell

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P361+P364 Take off immediately all contaminated clothing and wash it before reuse

P405 Store locked up

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

## Hazards not otherwise classified:

None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 39423-51-3	Propylidynetrimethanol, propoxylated, reaction products with ammonia	>80

## Additional information:

None

## SECTION 4: First-aid measures

### Description of first-aid measures

#### General notes:

Show this Safety Data Sheet to the doctor in attendance.

#### After inhalation:

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If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

### **After skin contact:**

Treatment is urgent. Seek emergency medical treatment. Remove contaminated clothing and shoes. Rinse skin with copious amounts of water for several minutes. Launder contaminated clothing before reuse.

### **After eye contact:**

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist.

### **After ingestion:**

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

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

### **Acute symptoms and effects:**

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision.

Acute oral exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Acute dermal exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

### **Delayed symptoms and effects:**

Effects are dependent on exposure (dose, concentration, contact time). Symptoms of exposure may be delayed.

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## Immediate medical attention and special treatment

### Specific treatment:

In case of eye contact, seek prompt medical attention while rinsing is continued.

### Notes for the doctor:

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol-resistant foam.

### Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire-exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

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## Methods and material for containment and cleaning up:

Harmful in contact with skin and harmful if swallowed. Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in a suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

## Reference to other sections:

For personal protective equipment, see Section 8. For disposal, see Section 13.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Prevent skin contact. Do not get into eyes. Use only with adequate ventilation. Do not add water to the corrosive product. If it is necessary to mix a corrosive product with water, do so slowly adding the corrosive to cold water, in small amounts, and stir frequently. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use. Keep only in original packaging. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not get in eyes. Avoid contact with skin and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

### Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated location out of direct sunlight and away from exit paths. Store in a corrosion-resistant container with a resistant inner liner. Inspect containers and storage area regularly for signs of leak and damage. Store containers at a convenient height for handling, below eye level if possible. High shelving increases the risk of dropping containers, personal injury and exposure. Ensure that appropriate fire fighting and spill-clean-up equipment is readily available. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Store separately. Keep the container tightly sealed. Store away from incompatible materials (See Section 10). Store in a cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep the container tightly sealed. Store away from incompatible materials (See Section 10).

## SECTION 8: Exposure controls/personal protection

### Occupational Exposure limit values:

No occupational exposure limits were noted for the ingredient(s).

### Biological limit values:

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No biological exposure limits are noted for the ingredient(s).

## Information on monitoring procedures:

Not determined or not applicable.

## Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

## Personal protection equipment

### Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

**Skin and body protection:** Chemical-resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved

and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

### Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

## General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance (physical state, color):	Clear Viscous Liquid
Odor:	Low ammoniacal
pH value:	10-11
Melting/Freezing point:	N/A
Boiling point/range:	>220°C
Flash point:	>110°C

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<b>Evaporation rate:</b>	N/A
<b>Flammability (solid, gaseous):</b>	N/A
<b>Explosion limit upper:</b>	N/A
<b>Explosion limit lower:</b>	N/A
<b>Vapor pressure:</b>	<0.5mm Hg (25°C), 1mm Hg (180°C)
<b>Vapor density:</b>	N/A
<b>Density:</b>	0.97
<b>Relative density:</b>	N/A
<b>Solubilities:</b>	N/A
<b>Partition coefficient (n-octanol/water):</b>	N/A
<b>Auto/Self-ignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/A
<b>Dynamic viscosity:</b>	50-100 cP (25°C)
<b>Explosive properties:</b>	Will not explode
<b>Oxidizing properties:</b>	Not oxidizing

### SECTION 10: Stability and reactivity

#### Reactivity:

Not reactive under recommended handling and storage conditions.

#### Chemical stability:

Stable under recommended handling and storage conditions.

#### Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

#### Conditions to avoid:

Avoid generation of aerosols and mists, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials. Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

#### Incompatible materials:

None known.

#### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:**

Harmful if swallowed. Harmful in contact with skin.

**Product data:** No data available.

**Substance data:**

Name	Route	Result
Propylidynetrimethanol, propoxylated, reaction products with ammonia	oral	LD50 Rat: 550 mg/kg

### Skin corrosion/irritation

**Assessment:**

Causes severe skin burns and eye damage.

**Product data:** No data available.

**Substance data:**

Name	Result
Propylidynetrimethanol, propoxylated, reaction products with ammonia	Causes skin damage.

### Serious eye damage/irritation

**Assessment:**

Causes serious eye damage.

**Product data:**

No data available.

**Substance data:**

Name	Result
Propylidynetrimethanol, propoxylated, reaction products with ammonia	Causes serious eye damage.

### Respiratory or skin sensitization

**Assessment:**

May cause an allergic skin reaction.

**Product data:**



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No data available.

**Substance data:**

## Carcinogenicity

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

No data available.

**International Agency for Research on Cancer (IARC):**

Name	Classification
Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not Applicable

## Germ cell mutagenicity

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

No data available.

## Reproductive toxicity

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

No data available.

## Specific target organ toxicity (single exposure)

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

No data available.

## Specific target organ toxicity (repeated exposure)

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

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**Substance data:**

No data available.

**Aspiration toxicity**

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

No data available.

**Information on likely routes of exposure:**

No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

### SECTION 12: Ecological information

**Acute (short-term) toxicity**

**Assessment:**

Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Test	Result
Propylidynetrimethanol, propoxylated, reaction products with ammonia	ErC50 Pseudokirchnerella subcapitata:	4.4 mg/L (72 hr)
Propylidynetrimethanol, propoxylated, reaction products with ammonia	EC50 Daphnia magna:	13 mg/L (48 hr)
Propylidynetrimethanol, propoxylated, reaction products with ammonia	LC50 Oncorhynchus mykiss:	100 mg/L (96 hr)

**Chronic (long-term) toxicity**

**Assessment:**

Toxic to aquatic life with long lasting effects.

**Product data:**

No data available.

**Substance data:**

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No data available.

### Persistence and degradability

#### Substance data:

Name	Result
Propylidyntrimethanol, propoxylated, reaction products with ammonia	Not readily biodegradable (<5% degradation after 28 days).

### Bioaccumulative potential

#### Product data:

No data available.

#### Substance data:

No data available.

### Mobility in soil

#### Product data:

No data available.

#### Substance data:

No data available.

## SECTION 13: Disposal considerations

### Disposal methods:



It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### Contaminated packages:

Not determined or not applicable.

## SECTION 14: Transport information

### Canadian Transportation of Dangerous Goods (TDG)



UN number	3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. N.O.S. (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
UN transport hazard class(es)	 9 

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<b>Packing group</b>	III
<b>Environmental hazards</b>	Marine Pollutant
<b>Special precautions for user</b>	None

### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. N.O.S. (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
<b>UN transport hazard class(es)</b>	  9
<b>Packing group</b>	III
<b>Environmental hazards</b>	Marine Pollutant
<b>Special precautions for user</b>	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

<b>UN number</b>	3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. N.O.S. (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
<b>UN transport hazard class(es)</b>	  9
<b>Packing group</b>	III
<b>Environmental hazards</b>	Marine Pollutant
<b>Special precautions for user</b>	None

### SECTION 15: Regulatory information

Canada regulations Domestic substances list (DSL):

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All ingredients are listed or exempt.

### **SECTION 16: Other information**

#### **Disclaimer:**

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on the information available. The information given is designed only as guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**END OF SAFETY DATA SHEET**