#### Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 06/24/2016 Revision date: 05/12/2017

Version: ADV-276-NC-2017a

## **SECTION 1: Identification**

Product form Product name

Product code

- : Mixtures
- : PRO-SET® ADV-276-NC HARDENER

: ADV-276-NC, ADV-276-NC-0, ADV-276-NC-2, ADV-276-NC-4

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

: Curing agent for epoxy adhesive resins

Details of the supplier of the safety data sheet

#### Manufacturer

Gougeon Brothers, Inc 100 Patterson Ave. Bay City, MI 48706 - U.S.A. T 888-377-6738 or 989-684-7286 www.prosetepoxy.com

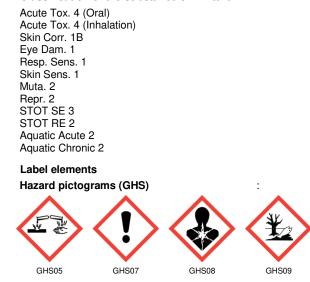
#### **Emergency telephone number**

**Emergency number** 

: CHEMTREC 1 (800) 424-9300 CHEMTREC International +1 (703) 527-3887 24 hr

## SECTION 2: Hazard(s) identification

Classification of the substance or mixture



Signal word (GHS)

Danger

#### Hazard statements (GHS)

Harmful if swallowed or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects

#### Precautionary statements (GHS)

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, gas, mist, vapours, spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection, face protection. [In case of inadequate ventilation] wear respiratory protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Immediately call a poison center/doctor. Wash contaminated

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clothing before reuse. Collect spillage. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### Other hazards

No additional information available

#### Unknown acute toxicity

No additional information available

## SECTION 3: Composition/information on ingredients

#### Substance

Not applicable

## Mixtures

Name	Product identifier	%
Formaldehyde, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and phenol	(CAS No) 25265-17-2	5 - 40
Propylene glycol diamine, 2-amino-, diether with Propylene	(CAS No) 9046-10-0	10 - 40
2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1- piperazinyl)ethyl]amino]butyl-terminated	(CAS No) 68683-29-4	10 - 40
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)	(CAS No) 57214-10-5	10 - 40
Isophorone diamine	(CAS No) 2855-13-2	1 - 15
Alicylic aliphatic polyamine	(CAS No) Trade Secret	1 - 10
Phenol	(CAS No) 108-95-2	1 - 10
Silica, amorphous, fumed, crystalline-free	(CAS No) 112945-52-5	1 - 10
Glass, oxide, chemicals	(CAS No) 65997-17-3	1 - 10
Alkyletheramine	(CAS No) Trade Secret	1 - 10
1,3-Benzenedimethanamine	(CAS No) 1477-55-0	1 - 5
Diethylenetriamine-bisphenol A-epichlorohydrin polymer	(CAS No) 31326-29-1	1 - 5
Diethylenetriamine	(CAS No) 111-40-0	0.1 - 1.5
1-Piperazineethanamine	(CAS No) 140-31-8	0.1 - 1.5
Alkylphenol	(CAS No) Trade Secret	0.1 - 1.5

The exact chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential business information (CBI). Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment, or it may be present at a level below its disclosure threshold. Refer to Section 15 for additional information regarding this CBI claim.

#### SECTION 4: First aid measures

Description of first aid measures		
First-aid measures after inhalation	:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
First-aid measures after ingestion	:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.
Most important symptoms and effects, both a	cu	te and delayed
Symptoms/injuries after inhalation	:	Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	:	Causes severe burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	:	Harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

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SECTION 5: Firefighting measures		
Extinguishing media		
Suitable extinguishing media	: Foam. Carbon dioxide. Dry chemical.	
Unsuitable extinguishing media	: Do not use a heavy water stream.	
Special hazards arising from the substan	Special hazards arising from the substance or mixture	
Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. Nitrogen oxides. Amines. Ammonia. Nitric acid. Aldehydes. Nitrosamines. When mixed with sawdust, wood chips, or other cellulosic material, spontaneous combustion can occur under certain conditions. Heat is generated as the air oxidizes the amine. If the heat is not dissipated quickly enough, it can ignite the sawdust.	
Reactivity	: No dangerous reaction known under conditions of normal use.	
Advice for firefighters		
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray or fog for cooling exposed containers.	

unnecessary and unprotected personnel.

SECTION 6: Accidental release measures

## For non-emergency personnel

No additional information available

### For emergency responders

General measures

No additional information available

#### **Environmental precautions**

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

#### Methods and material for containment and cleaning up

 For containment
 : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Do not absorb in sawdust, paper, cloth or other combustible absorbents.

 Methods for cleaning up
 : Scoop up material and place in a disposal container. Provide ventilation.

: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to

# Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

# SECTION 7: Handling and storage Precautions for safe handling

Precautions for safe handling	: Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapours, spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. When mixed with epoxy resin this product causes an exothermic reaction, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity.	
Hygiene measures	: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.	
Conditions for safe storage, including any incompatibilities		
Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Protect from moisture. Storage temperature : 40°F (4°C) - 90°F (32°C).	

## SECTION 8: Exposure controls/personal protection

## **Control parameters**

Formaldehyde, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and phenol (25265-17-2)

## Not applicable

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Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)			
Not applicable			
2-Propenenitrile, po	lymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-	-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated (68683-29-4)	
Not applicable			
	omeric reaction products with phenol and m-phen	ylenebis(methylamine) (57214-10-5)	
Not applicable			
Isophorone diamine	e (2855-13-2)		
Not applicable			
, , ,	Iyamine (Trade Secret)		
Not applicable			
Phenol (108-95-2)			
ACGIH	ACGIH TWA (mg/m³)	19 mg/m <sup>3</sup>	
ACGIH	ACGIH TWA (ppm)	5 ppm	
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>	
OSHA	OSHA PEL (TWA) (ppm)	5 ppm	
IDLH	US IDLH (ppm)	250 ppm	
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>	
NIOSH	NIOSH REL (TWA) (ppm)	5 ppm	
NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	60 mg/m³	
NIOSH	NIOSH REL (ceiling) (ppm)	15.6 ppm	
Silica, amorphous, f	fumed, crystalline-free (112945-52-5)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m³ (Inhalable) 3 mg/m³ (Respirable)	
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m³ (Amorphous silica) 15 mg/m³ (Total dust) 5 mg/m³ (Respirable)	
Glass, oxide, chemi	cals (65997-17-3)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m³ (Inhalable) 3 mg/m³ (Respirable)	
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m³ (Total dust) 5 mg/m³ (Respirable)	
Alkyletheramine (Tr	ade Secret)		
Not applicable			
1,3-Benzenedimetha	, ,		
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>	
NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>	
Diethylenetriamine-	bisphenol A-epichlorohydrin polymer (31326-29-1)		
Not applicable			
Diethylenetriamine	(111-40-0)		
ACGIH	ACGIH TWA (ppm)	1 ppm	
1-Piperazineethanan Not applicable	mine (140-31-8)		
Alkylphenol (Trade Secret)			
Not applicable			

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Exposure controls	
Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## **SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

information on basic physical and chemical	properties
Physical state	: Liquid
Appearance	: Gel
Colour	: Colourless
Odour	: Ammonia
Odour threshold	: No data available
рН	: 10-12.5 (estimated based on ingredient data)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 400 °F (204°C) (estimated based on similar product)
Flash point	: > 200 °F (93°C) (estimated based similar product)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: < 1 mm Hg (estimated based on ingredient data)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.04
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Other information	
VOC content	: ADV-176 / ADV-276: 7.69 g/L (0.06 lb/gal); ADV-175 / ADV-276: 4.34 g/L (0.04 lb/gal)
Bulk density	: 8.65 lb/gal (1.04 kg/L)
SECTION 10. Stability and reactivity	
SECTION 10: Stability and reactivity	
Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability Possibility of hazardous reactions	: Stable under normal storage conditions. : No dangerous reaction known under conditions of normal use. A mass of more than one pound
Possibility of hazardous reactions	. No dangerous reaction known under conditions of normal use. A mass of more than one pound

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Incompatible materials

: Acids. Oxidizing materials. Halogenated compounds.

Hazardous decomposition products

: May include, and are not limited to: oxides of carbon. Nitrogen oxides. Amines. Ammonia. Nitric acid. Aldehydes. Nitrosamines.

## SECTION 11: Toxicological information

#### Information on toxicological effects

1080 mg/kg         1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg         : Harmful if swallowed.         : Not classified.         : Harmful if inhaled.         : Causes severe skin burns.         : Causes serious eye damage.         : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.         : Suspected of causing genetic defects.         : Not classified.
1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg         : Harmful if swallowed.         : Not classified.         : Harmful if inhaled.         : Causes severe skin burns.         : Causes serious eye damage.         : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.         : Suspected of causing genetic defects.
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1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg         : Harmful if swallowed.         : Not classified.         : Harmful if inhaled.         : Causes severe skin burns.         : Causes serious eye damage.         : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
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1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg         : Harmful if swallowed.         : Not classified.         : Harmful if inhaled.
1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg         : Harmful if swallowed.         : Not classified.
1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg         : Harmful if swallowed.
1090 mg/kg         0.07 - 0.3 mg/l/4h         2097 mg/kg         866 mg/kg
1090 mg/kg 0.07 - 0.3 mg/l/4h 2097 mg/kg
1090 mg/kg 0.07 - 0.3 mg/l/4h
1090 mg/kg
1090 mg/kg
1090 mg/kg
1620 mg/kg
drin polymer (31326-29-1)
1.34 mg/l/4h
2000 mg/kg
980 mg/kg
> 2000 mg/kg
> 5000 mg/kg
12945-52-5)
5
0.9 mg/l/8h
630 mg/kg
317 mg/kg
> 5.01 mg/l/4h
> 2000 mg/kg
1030 mg/kg
> 0.74 mg/l/8h
2890 mg/kg
2855 mg/kg

IARC group	3 - Not classifiable
Silica, amorphous, fumed, crystalline-free (112945-52-5)	
IARC group	3 - Not classifiable
Reproductive toxicity : Suspected of damaging fertility or the unborn child.	
STOT-single exposure	May cause respiratory irritation.

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STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified.
Potential adverse human health effects and symptoms	: Harmful if inhaled. Harmful if swallowed.
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes severe burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause stomach distress, nausea or vomiting.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.
SECTION 12: Ecological information	
Toxicity	
Ecology - general	: Toxic to aquatic life with long lasting effects.
Isophorone diamine (2855-13-2)	
EC50 Daphnia 1	14.6 - 21.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [semi-static])
Phenol (108-95-2)	
LC50 fish 1	11.9 - 50.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	4.24 - 10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	20.5 - 25.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	10.2 - 15.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Diethylenetriamine (111-40-0)	
LC50 fish 1	248 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])
EC50 Daphnia 1	16 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	1014 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static])
1-Piperazineethanamine (140-31-8)	
LC50 fish 1	1950 - 2460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	32 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	<ul> <li>&gt; 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static])</li> </ul>
Persistence and degradability	
PRO-SET® ADV-276-NC HARDENER	
Persistence and degradability	Not established.
Bioaccumulative potential	
PRO-SET® ADV-276-NC HARDENER	
Bioaccumulative potential	Not established.
Isophorone diamine (2855-13-2)	
Partition coefficient n-octanol/water	0.79 (at 23 °C)
Phenol (108-95-2) BCF fish 1	(no significant bioaccumulation)
Partition coefficient n-octanol/water	(no significant bioaccumulation)
Diethylenetriamine (111-40-0)	
BCF fish 1	0.3 - 1.7
Partition coefficient n-octanol/water	-1.3
1-Piperazineethanamine (140-31-8)	
BCF fish 1	(no bioaccumulation expected)

Partition coefficient n-octanol/water

-1.48

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# Mobility in soil PRO-SET® ADV-276-NC HARDENER Ecology - soil No additional information available. Other adverse effects

Effect on the global warming

: No known effects from this product.

Name	Product identifier	Ecotoxicity Classification Information	
Formaldehyde, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and phenol	(CAS No) 25265-17-2	No data available (reference IPD)	
Propylene glycol diamine, 2-amino-, diether with Propylene	(CAS No) 9046-10-0	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 2	
2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated	(CAS No) 68683-29-4	No data available	
Formaldehyde, oligomeric reaction products with phenol and m- phenylenebis(methylamine)	(CAS No) 57214-10-5	Acute Aquatic Cat. 1; Chronic Aquatic Cat. 1	
Isophorone diamine	(CAS No) 2855-13-2	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 3	
Alicylic aliphatic polyamine	(CAS No) Trade Secret	No data available	
Phenol	(CAS No) 108-95-2	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 2	
Silica, amorphous, fumed, crystalline-free	(CAS No) 112945-52-5	No data available	
Glass, oxide, chemicals	(CAS No) 65997-17-3	No data available	
Alkyletheramine	(CAS No) Trade Secret	No data available	
1,3-Benzenedimethanamine	(CAS No) 1477-55-0	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 3	
Diethylenetriamine-bisphenol A-epichlorohydrin polymer	(CAS No) 31326-29-1	No data available	
Diethylenetriamine	(CAS No) 111-40-0	No data available	
1-Piperazineethanamine	(CAS No) 140-31-8	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 3	
Alkylphenol	(CAS No) Trade Secret	Acute Aquatic Cat. 2; Chronic Aquatic Cat. 2	

#### Other information

: Avoid release to the environment.

## SECTION 13: Disposal considerations

Waste treatment methods

Product/Packaging disposal recommendations

: Avoid release to the environment. This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

## SECTION 14: Transport information

#### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT and TDG	
UN-No.(DOT/TDG)	: UN3259
Proper Shipping Name (DOT/TDG)	: Polyamines, solid, corrosive n.o.s. (Polyoxypropylenediamine)
Class (DOT/TDG)	: 8
Packing group (DOT/TDG)	: 111
Marine pollutant	: No
Transport by sea	
In accordance with IMDG	
UN-No. (IMDG)	: 3259
Proper Shipping Name (IMDG)	: POLYAMINES, SOLID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)
Class (IMDG)	: 8
Packing group (IMDG)	: III
EmS Number	: F-A, S-B
Marine pollutant	: Yes

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Transport b	y air
	ما بان

In accordance with IATA	
UN-No. (IATA)	: 3259
Proper Shipping Name (IATA)	: Polyamines, solid, corrosive, n.o.s. (Polyoxypropylenediamine)
Class (IATA)	: 8
Packing group (IATA)	: 111
Marine pollutant	: Yes

## **SECTION 15: Regulatory information**

#### **Federal regulations**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

Formaldehyde, polymer with 5-amino-1,3,3-tr	imethylcyclohexanemethanamine and phenol (25265-17-2)
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Propylene glycol diamine, 2-amino-, diether w	vith Propylene (9046-10-0)
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
2-Propenenitrile, polymer with 1,3-butadiene,	1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated (68683-29-4)
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Formaldehyde, oligomeric reaction products	with phenol and m-phenylenebis(methylamine) (57214-10-5)
EPA TSCA Regulatory Flag	P - P - indicates a commenced PMN substance. XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Phenol (108-95-2)	
Listed on the United States SARA Section 302 Subject to reporting requirements of United State	es SARA Section 313
CERCLA RQ	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 - 10000 lb
SARA Section 313 - Emission Reporting	1%
Diethylenetriamine-bisphenol A-epichlorohyd	Irin polymer (31326-29-1)
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Propylene oxide (75-56-9)	
Listed on the United States SARA Section 302 Subject to reporting requirements of United State	es SARA Section 313
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	10000 lb
SARA Section 313 - Emission Reporting	0.1 %

Canada WHMIS Confidential Business Information (CBI): The HMIRA number issued for this CBI claim is #11233. The date of filing is 2017-04-26.

#### International regulations

No additional information available

# Safety Data Sheet

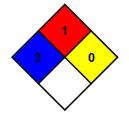
According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

#### **US State regulations**

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

Propylene oxide (75-56-	9)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	
Isophorone diamine (28 U.S New Jersey - Right	<b>55-13-2)</b> to Know Hazardous Substance I	_ist		
Phenol (108-95-2)				
U.S New Jersey - Right	to Know Hazardous Substance I < (Right to Know) - Environmenta < (Right to Know) List	List I Hazard List		
1,3-Benzenedimethanan	nine (1477-55-0)			
U.S New Jersey - Right U.S Pennsylvania - RTH	to Know Hazardous Substance I < (Right to Know) List	list		
Diethylenetriamine (111-	-40-0)			
U.S New Jersey - Right U.S Pennsylvania - RTh	to Know Hazardous Substance I < (Right to Know) List	list		
1-Piperazineethanamine	(140-31-8)			
U.S New Jersey - Right U.S Pennsylvania - RTH	to Know Hazardous Substance I < (Right to Know) List	list		
Propylene oxide (75-56-	9)			
U.S Pennsylvania - RTH	to Know Hazardous Substance I < (Right to Know) - Environmenta < (Right to Know) - Special Hazar < (Right to Know) List	I Hazard List		
ECTION 16: Other i	nformation			
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Date of issue	: 06/24/2016
Revision date	: 05/12/2017
Other information	: None.
NFPA health hazard	: 3
NFPA fire hazard	: 1
NIFA IIIC Hazalu	



HMIS III Rating	
Health	: 3 Serious Hazard
Flammability	: 1 Slight Hazard
Physical	: 0 Minimal Hazard

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.