

PRO-SET® ADV-276-NC HARDENER

Safety Data Sheet

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

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Version: ADV-276-NC-2020a

SECTION 1: Identification

Identification

Product form : Mixture
Product name : PRO-SET® ADV-276-NC HARDENER
Product code : ADV-276-NC, ADV-276-NC-0, ADV-276-NC-2, ADV-276-NC-4
Chemical family : Polyamine mixture

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

Use of the substance/mixture : 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 identification

Classification of the substance or mixture

Acute Tox. 4 (Oral)
Acute Tox. 4 (Inhalation:vapour)
Skin Corr. 1B
Eye Dam. 1
Resp. Sens. 1
Skin Sens. 1
Muta. 2
Repr. 2
STOT SE 3
STOT RE 2
Aquatic Acute 1
Aquatic Chronic 1

Label elements

Hazard pictograms (GHS)



GHS05

GHS07

GHS08

GHS09

Signal word (GHS)

Danger

Hazard statements (GHS)

Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. 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. Very toxic to aquatic life. Very 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, forearms and face 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

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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 or doctor. If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center or doctor. Take off contaminated clothing and wash it 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

Substances

Not applicable

Mixtures

Name	Product identifier	%
Formaldehyde, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and phenol	(CAS-No.) 25265-17-2	10 – 30
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	(CAS-No.) 9046-10-0	10 – 30
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 – 30
Isophoronediamine	(CAS-No.) 2855-13-2	7 – 13
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)	(CAS-No.) 57214-10-5	7 – 13
Fatty acids, C18-unsaturated, dimers, reaction products with 1-piperazineethanamine and tall-oil fatty acids	(CAS-No.) 206565-89-1	5 – 10
Phenol	(CAS-No.) 108-95-2	3 – 7
Silica, amorphous, fumed, crystalline-free	(CAS-No.) 112945-52-5	3 – 7
Glass, oxide, chemicals	(CAS-No.) 65997-17-3	3 – 7
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	0.5 – 1.5
4-tert-Butylphenol	(CAS-No.) 98-54-4	0.5 – 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.

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/doctor.
- First-aid measures after skin contact** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.
- 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. Rinse mouth. Immediately call a POISON CENTER/doctor.

Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation** : Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact** : Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
- Symptoms/effects 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/effects 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 be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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SECTION 5: Fire-fighting 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 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 reactions known under normal conditions of use.

Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel

No additional information available

For emergency responders

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.

Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

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, spray, vapours. 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

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No additional information available
Isophoronediamine (2855-13-2)
No additional information available

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Phenol (108-95-2)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	19 mg/m ³
ACGIH OEL TWA [ppm]	5 ppm
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA [1]	19 mg/m ³
OSHA PEL TWA [2]	5 ppm
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL C	60 mg/m ³
NIOSH REL C [ppm]	15.6 ppm
Formaldehyde, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and phenol (25265-17-2)	
Refer to Isophoronediamine	
1,3-Benzenedimethanamine (1477-55-0)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL C	0.1 mg/m ³ (skin)
USA - OSHA - Occupational Exposure Limits	
OSHA PEL C	0.1 mg/m ³ (Table Z 1A)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL C	0.1 mg/m ³
US-NIOSH chemical category	Potential for dermal absorption
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine) (57214-10-5)	
No additional information available	
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)	
No additional information available	
Fatty acids, C18-unsaturated, dimers, reaction products with 1-piperazineethanamine and tall-oil fatty acids (206565-89-1)	
No additional information available	
4-tert-Butylphenol (98-54-4)	
No additional information available	
Diethylenetriamine-bisphenol A-epichlorohydrin polymer (31326-29-1)	
Refer to Diethylenetriamine	
Diethylenetriamine (111-40-0)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	1 ppm (skin)
2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated (68683-29-4)	
No additional information available	
Silica, amorphous, fumed, crystalline-free (112945-52-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m ³ (Inhalable) 3 mg/m ³ (Respirable)
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA [1]	6 mg/m ³ (Amorphous silica) 15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
Glass, oxide, chemicals (65997-17-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m ³ (Inhalable) 3 mg/m ³ (Respirable)
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA [1]	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)

Exposure controls

- Appropriate engineering controls** : Ensure good ventilation of the work station.
- Hand protection** : Wear chemically resistant protective gloves.

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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

Physical state	: Liquid
Appearance	: Gel
Colour	: Colourless
Odour	: Ammonia
Odour threshold	: No data available
pH	: 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 on similar product)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: < 1 mm Hg 20 °C (estimated based on ingredient data)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.04
Density	: 8.65 lb/gal (1.04 kg/L)
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	: ASTM 2369-07 was used to determine the Volatile Matter Content of mixed epoxy resin and hardener. The combined VOC content for the resin and hardener system is listed below. ADV-176 / ADV-276: 7.69 g/L / 0.06 lb/gal ADV-175 / ADV-276: 4.34 g/L / 0.04 lb/gal
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SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Incompatible materials.

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

Incompatible materials	: None known.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

Information on toxicological effects

Isophoronediamine (2855-13-2)	
LD50 oral rat	1030 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 5.01 mg/l/4h (dust/mist)

Phenol (108-95-2)	
LD50 oral rat	317 mg/kg
LD50 dermal rabbit	630 mg/kg (solid)
LC50 inhalation rat	900 mg/m ³ /8h (solid)

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

1,3-Benzenedimethanamine (1477-55-0)	
LD50 oral rat	980 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat	1.34 mg/l/4h (dust/mist)

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)	
LD50 oral rat	2885 mg/kg
LD50 dermal rabbit	2980 nl/kg
LC50 inhalation rat	> 0.74 mg/l/8h (vapour)

4-tert-Butylphenol (98-54-4)	
LD50 oral rat	> 2000 mg/kg

Diethylenetriamine-bisphenol A-epichlorohydrin polymer (31326-29-1)	
LD50 oral rat	1620 mg/kg

Diethylenetriamine (111-40-0)	
LD50 oral rat	1080 mg/kg
LD50 dermal rabbit	1090 mg/kg
LC50 inhalation rat	0.07 – 0.3 mg/l/4h (aerosol/mist)

Silica, amorphous, fumed, crystalline-free (112945-52-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Harmful if inhaled.
Skin corrosion/irritation	: Causes severe skin burns. pH: 10 – 12.5 (estimated based on ingredient data)
Serious eye damage/irritation	: Causes serious eye damage. pH: 10 – 12.5 (estimated based on ingredient data)
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Not classified.

Phenol (108-95-2)	
IARC group	3 - Not classifiable

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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.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/effects 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/effects 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 : Very toxic to aquatic life with long lasting effects.

Isophoronediamine (2855-13-2)	
EC50 - Crustacea [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 - Crustacea [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 - Crustacea [2]	10.2 – 15.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
1,3-Benzenedimethanamine (1477-55-0)	
LC50 - Fish [1]	87.6 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static])
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine) (57214-10-5)	
LC50 - Fish [1]	25.9 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
4-tert-Butylphenol (98-54-4)	
LC50 - Fish [1]	4.71 – 5.62 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	6.9 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])
EC50 - Crustacea [2]	3.4 – 4.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Diethylenetriamine (111-40-0)	
LC50 - Fish [1]	248 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])
EC50 - Crustacea [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])

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.
Isophoronediamine (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	1.5
4-tert-Butylphenol (98-54-4)	
BCF - Fish [1]	34 – 240

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4-tert-Butylphenol (98-54-4)	
Partition coefficient n-octanol/water	2.44
Diethylenetriamine (111-40-0)	
BCF - Fish [1]	0.3 – 1.7
Partition coefficient n-octanol/water	-1.3

Mobility in soil

PRO-SET® ADV-276-NC HARDENER	
Ecology - soil	No additional information available.

Other adverse effects

Other information : No other effects known.

Ingredient	CAS#	Ecotoxicity Classification Information
Isophoronediamine, reaction products with phenol and formaldehyde	25265-17-2	Refer to Isophoronediamine
Polyoxypropylenediamine	9046-10-0	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 2
2-Propenenitrile polymer with 1,3-butadiene	68683-29-4	Not classified
Benzene-1,3-dimethanamine, reaction products with phenol and formaldehyde	57214-10-5	Acute Aquatic Cat. 1; Chronic Aquatic Cat. 1
Isophoronediamine	2855-13-2	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 3
Hydroxybenzene	108-95-2	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 2
Synthetic amorphous, pyrogenic silica	112945-52-5	Not classified
Glass oxide	65997-17-3	Not classified
Benzene-1,3-dimethanamine	1477-55-0	Acute Aquatic Cat. 3; Chronic Aquatic Cat. 3
Polymer of epichlorohydrin / bisphenol A and diethylenetriamine	31326-29-1	Not classified
Diethylenetriamine	111-40-0	Not classified

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.

Additional information : The generation of waste should be avoided or minimised wherever possible.

SECTION 14: Transport information

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

In accordance with DOT/TDG

UN-No.(DOT/TDG) : UN3259

Proper Shipping Name (DOT/TDG) : Polyamines, solid, corrosive n.o.s. (Polyoxypropylenediamine)

Class (DOT/TDG) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT/TDG) : III

Dangerous for the environment : Yes

Marine pollutant : Yes



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 - Corrosive substances

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Packing group (IMDG)	: III
EmS Number	: F-A, S-B
Marine pollutant	: Yes

Transport by air

In accordance with IATA	
UN-No. (IATA)	: 3259
Proper Shipping Name (IATA)	: Polyamines, solid, corrosive, n.o.s. (Polyoxypropylenediamine)
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III
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 except for:

Fatty acids, C18-unsaturated, dimers, reaction products with 1-piperazineethanamine and tall-oil fatty acids	CAS-No. 206565-89-1
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Phenol (108-95-2)

Listed on the United States SARA Section 302
Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 – 10000 lb
SARA Section 313 - Emission Reporting	1 %

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

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine) (57214-10-5)

EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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Fatty acids, C18-unsaturated, dimers, reaction products with 1-piperazineethanamine and tall-oil fatty acids (206565-89-1)

EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. S - S - indicates a substance that is identified in a final Significant New Use Rule.
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Diethylenetriamine-bisphenol A-epichlorohydrin polymer (31326-29-1)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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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 Chemical Data Reporting Rule, (40 CFR 711).
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Siloxanes and silicones, dimethyl, 3-hydroxypropyl methyl, ethoxylated (68937-54-2)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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International regulations

No additional information available

PRO-SET® ADV-276-NC HARDENER

Safety Data Sheet

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

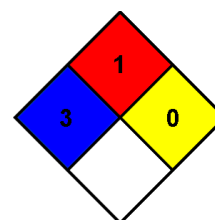
US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Isophoronediamine (2855-13-2) U.S. - New Jersey - Right to Know Hazardous Substance List
Phenol (108-95-2) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List
1,3-Benzenedimethanamine (1477-55-0) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Diethylenetriamine (111-40-0) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
1-Piperazineethanamine (140-31-8) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
2-Butoxyethanol (111-76-2) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Issue date : 10/14/2020
Revision date : 11/06/2020
Other information : None.
NFPA health hazard : 3
NFPA fire hazard : 1
NFPA reactivity : 0



Hazard 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.