

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 6/19/2023 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form Product name	: Mixture : 10-3041CCL		
1.2. Recommended use and restrictions on	use		
Recommended use Restrictions on use	<ul><li>Adhesives</li><li>Not to be used for any purpose other than the one the product was designed for</li></ul>		
1.3. Supplier			
Manufacturer Epoxies, Etc. 21 Starline Way Cranston, RI 02921 USA T 401-946-5564 www.epoxies.com			
1.4. Emergency telephone number			
Emergency number	: VelocityEHS:	+1 (800) 255-39	24, +1 (813) 248-0585
<ul> <li>2.1. Classification of the substance or mixta</li> <li>GHS US classification</li> <li>Acute toxicity (oral) Category 4</li> <li>Skin corrosion/irritation Category 1A</li> <li>Serious eye damage/eye irritation Category 1</li> <li>Skin sensitization, Category 1</li> <li>Specific target organ toxicity – Single exposure, Cate</li> <li>Respiratory tract irritation</li> <li>Hazardous to the aquatic environment – Chronic Haz</li> <li>Full text of H statements : see section 16</li> <li>2.2. GHS Label elements, including precaute</li> </ul>	egory 3, zard Category 3	H302 H314 H318 H317 H335 H412	Harmful if swallowed Causes severe skin burns and eye damage Causes serious eye damage May cause an allergic skin reaction May cause respiratory irritation Harmful to aquatic life with long lasting effects
GHS US labeling	ionary stateme	:115	
Hazard pictograms (GHS US)			
Signal word (GHS US)       : Danger         Hazard statements (GHS US)       : H302 - Harmful if swallowed         H314 - Causes severe skin burns and eye damage         H317 - May cause an allergic skin reaction         H318 - Causes serious eye damage         H335 - May cause respiratory irritation			
recautionary statements (GHS US)       H412 - Harmful to aquatic life with long lasting effects         recautionary statements (GHS US)       P260 - Do not breathe dust/fume/gas/mist/vapors/spray.         P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.			

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P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse
skin with water/shower.
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 or doctor.
P312 - Call a poison center or doctor if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in
accordance with local, regional, national and/or international regulation.

**2.3. Other hazards which do not result in classification** 

 Other hazards which do not result in classification

 : Harmful dust may be released during cutting, milling or grinding process.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## **SECTION 3: Composition/Information on ingredients**

### 3.1. Substances

#### Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Aliphatic Amine*	CAS-No.: Trade Secret	10 – 60	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317
Aromatic sulfonic acid*	CAS-No.: Trade Secret	10 – 60	Skin Corr. 1A, H314 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
3,3'-oxybis(ethyleneoxy)bis(propylamine)	CAS-No.: 4246-51-9	10 – 60	Skin Corr. 1A, H314 Eye Dam. 1, H318 Skin Sens. 1, H317

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Name	Product identifier	%	GHS US classification
Bisphenol A diglycidyl ether resin*	CAS-No.: Trade Secret	10 – 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Comments : Components not listed are either non-hazardous or are below reportable limits. Full text of hazard classes and H-statements : see section 16

## **SECTION 4: First-aid measures**

4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	<ul> <li>Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.</li> </ul>
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effect	ts (acute and delayed)
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact	<ul> <li>May cause respiratory irritation.</li> <li>Burns. May cause an allergic skin reaction.</li> <li>Serious damage to eyes.</li> </ul>
Symptoms/effects after ingestion	: Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Specific hazards arising from the chemical			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Special protective equipment and precautions for fire-fighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION 6: Accidental release measures			
6.1. Personal precautions, prote	ctive equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/sprav.		

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6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containment a	nd cleaning up
Methods for cleaning up Other information	<ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	

Precautions for safe handling	: Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage conditions

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters	
10-3041CCL	
No additional information available	
Aromatic sulfonic acid	
No additional information available	
Aliphatic Amine	
No additional information available	
3,3'-oxybis(ethyleneoxy)bis(propylamin	e) (4246-51-9)
No additional information available	
Bisphenol A diglycidyl ether resin	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Ensure good ventilation of the work station.

: Ensure good ventilation of the work station.: Avoid release to the environment.

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### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's information. Gloves must be replaced after each use and whenever signs of wear or perforation appear

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



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

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: According to product specification
Odor	: Amine-like
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

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### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### **10.2. Chemical stability**

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid** 

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials** 

No additional information available

**10.6. Hazardous decomposition products** 

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

### **SECTION 11: Toxicological information**

11.1. Information on toxicological effects		
Acute toxicity (dermal)	Harmful if swallowed. Not classified Not classified	
10-3041CCL		
ATE US (oral)	672.22 mg/kg body weight	
Aromatic sulfonic acid		
LD50 oral rat	≥ 1104 mg/kg body weight (Rat, Male, Read-across, Oral, 14 day(s))	
LD50 dermal rabbit	> 2000 mg/kg body weight (24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))	
LC50 Inhalation - Rat	≥ 50 mg/l (8 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s))	
ATE US (oral)	400 mg/kg body weight	
Aliphatic Amine		
LD50 oral rat	1140 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	> 200 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rabbit, Male / female, Experimental value, Dermal)	
ATE US (oral)	1140 mg/kg body weight	
ATE US (dermal)	1100 mg/kg body weight	
3,3'-oxybis(ethyleneoxy)bis(propylamine) (4246-51-9)		
LD50 oral rat	3160 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	> 2150 mg/kg (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	

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3,3'-oxybis(ethyleneoxy)bis(propylamine) (424	46-51-9)
ATE US (oral)	3160 mg/kg body weight
Bisphenol A diglycidyl ether resin	
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
ATE US (oral)	11400 mg/kg body weight
Serious eye damage/irritation       :         Respiratory or skin sensitization       :         Germ cell mutagenicity       :	Causes severe skin burns. Causes serious eye damage. May cause an allergic skin reaction. Not classified Not classified
Bisphenol A diglycidyl ether resin	
NOAEL (chronic,oral,animal/male,2 years)	15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)
NOAEL (chronic,oral,animal/female,2 years)	100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)
Reproductive toxicity :	Not classified
3,3'-oxybis(ethyleneoxy)bis(propylamine) (424	46-51-9)
NOAEL (animal/male, F0/P)	< 100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:EPA, Health Effects Test Guidelines; OPPTS 870.3650: Combined Repeated Dose Toxicity Study With the Reproduction/Developmental Toxicity Screening Test
NOAEL (animal/female, F0/P)	100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:EPA, Health Effects Test Guidelines; OPPTS 870.3650: Combined Repeated Dose Toxicity Study With the Reproduction/Developmental Toxicity Screening Test
STOT-single exposure :	May cause respiratory irritation.
Aromatic sulfonic acid	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure :	Not classified
Aliphatic Amine	
NOAEL (oral,rat,90 days)	30 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Bisphenol A diglycidyl ether resin	
NOAEL (oral,rat,90 days)	50 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals

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Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

# **SECTION 12: Ecological information**

12.1. Toxicity			
Ecology - general	: Harmful to aquatic life with long lasting effects.		
Aromatic sulfonic acid	Aromatic sulfonic acid		
LC50 - Fish [1]	> 500 mg/l (Equivalent or similar to OECD 203, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)		
EC50 - Crustacea [1]	> 103 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect)		
ErC50 algae	73 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)		
Aliphatic Amine			
LC50 - Fish [1]	220 – 460 mg/l (96 h, Leuciscus idus, Static system, Fresh water, Experimental value)		
EC50 - Crustacea [1]	42.54 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)		
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value)		
LOEC (chronic)	10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC (chronic)	7.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
3,3'-oxybis(ethyleneoxy)bis(propylami	ine) (4246-51-9)		
LC50 - Fish [1]	215 – 464 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)		
EC50 - Crustacea [1]	218.16 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)		
LC50 - Fish [2]	215 – 464 mg/l Test organisms (species): Leuciscus idus		
NOEC (chronic)	> 1 mg/l Test organisms (species): Daphnia magna		
NOEC chronic fish	> 1 mg/l Test organisms (species): Leuciscus idus		
Bisphenol A diglycidyl ether resin			
LC50 - Fish [1]	1.3 mg/l (96 h, Pisces, Literature study)		
EC50 - Crustacea [1]	2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)		
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		

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12.2. Persistence and degradability		
Aromatic sulfonic acid		
Persistence and degradability	Readily biodegradable in water.	
Aliphatic Amine	·	
Persistence and degradability	Readily biodegradable in water.	
3,3'-oxybis(ethyleneoxy)bis(propylamine) (42	46-51-9)	
Persistence and degradability	Not readily biodegradable in water.	
Bisphenol A diglycidyl ether resin		
Persistence and degradability	Not readily biodegradable in water.	
12.3. Bioaccumulative potential		
Aromatic sulfonic acid		
Partition coefficient n-octanol/water (Log Pow)	-0.96 (Experimental value, EU Method A.8: Partition Coefficient, 50 °C)	
Bioaccumulative potential	Not bioaccumulative.	
Aliphatic Amine	·	
Partition coefficient n-octanol/water (Log Pow)	-1.55 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 23 °C)	
Bioaccumulative potential	Not bioaccumulative.	
3,3'-oxybis(ethyleneoxy)bis(propylamine) (4246-51-9)		
BCF - Fish [1]	0.89 – 3.16 (BCFBAF v3.01, Pisces, Estimated value)	
Partition coefficient n-octanol/water (Log Pow)	-1.25 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)	
Bioaccumulative potential	Not bioaccumulative.	
Bisphenol A diglycidyl ether resin		
Partition coefficient n-octanol/water (Log Pow)	3 (Estimated value, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
12.4. Mobility in soil		
Aromatic sulfonic acid		
Surface tension	48.769 mN/m (20 °C, Hydrate form, 65 %, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.582 – 1.206 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
Aliphatic Amine		
Mobility in soil	3090 – 5012 Source: ECHA	

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3,3'-oxybis(ethyleneoxy)bis(propylamine) (4246-51-9)	
Ecology - soil Highly mobile in soil.	
Bisphenol A diglycidyl ether resin	
Surface tension	59 mN/m (20 °C, 0.09 g/l)
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Other adverse effects

No additional information available

UN-No. (TDG) : UN1760 UN-No. (IMDG) : 1760 UN-No. (IATA) : 1760 <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT) : Corrosive liquids, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture) Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) <b>14.3. Transport hazard class(es)</b> <b>DOT</b> Transport hazard class(es) (DOT) : 8 Hazard labels (DOT) : 8 TDG Transport hazard class(es) (TDG) : 8	13.1. Disposal methods	
In accordance with DOT / TDG / IMDG / IATA <b>14.1. UN number</b> DOT NA No       : UN1760         UN-No. (TDG)       : UN1760         UN-No. (IMDG)       : 1760 <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT)       : Corrosive liquids, n.o.s. (Aliphatic Amine Mixture)         Proper Shipping Name (MDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IDOT)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IDOT)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IDOT)       : S <b>14.3. Transport hazard class(es)</b> (DOT)       : 8         Hazard labels (DOT)       : 8         Italabels (DOT)       : 8         Transport hazard class(es) (TDG)       : 8         Transport hazard class(es) (TDG)       : 8	Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>14.1. UN number</b> DOT NA No       : UN1760         UN-No. (TDG)       : UN1760         UN-No. (IMDG)       : 1760 <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT)       : Corrosive liquids, n.o.s. (Aliphatic Amine Mixture)         Proper Shipping Name (TDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture)         Proper Shipping Name (IATA)       : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) <b>14.3. Transport hazard class(es)</b> (DOT)       : 8         Hazard labels (DOT)       : 8 <b>1760</b> : 8 <b>1760</b> : 8         Transport hazard class(es) (TDG)       : 8         Transport hazard class(es) (TDG)       : 8	SECTION 14: Transport information	
DOT NA No :: UN1760 UN-No. (TDG) :: UN1760 UN-No. (IMDG) :: 1760 UN-No. (IATA) :: 1760 <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT) :: Corrosive liquids, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (TDG) :: CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture) Proper Shipping Name (IMDG) :: CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) :: Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) :: Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) :: Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) <b>14.3. Transport hazard class(es)</b> <b>DOT</b> Transport hazard class(es) (DOT) :: 8 Hazard labels (DOT) :: 8 TEG Transport hazard class(es) (TDG) :: 8	In accordance with DOT / TDG / IMDG / IATA	
UN-No. (TDG) : UN1760 UN-No. (IMDG) : 1760 UN-No. (IATA) : 1760 <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT) : Corrosive liquids, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture) Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) Proper Shipping Name (IATA) : S & S Hazard labels (DOT) : 8 Transport hazard class(es) (DOT) : 8 Transport hazard class(es) (TDG) : 8	14.1. UN number	
Proper Shipping Name (DOT)       : Corrosive liquids, n.o.s. (Aliphatic Amine Mixture)         Proper Shipping Name (TDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IATA)       : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) <b>14.3. Transport hazard class(es) DOT</b> Transport hazard class(es) (DOT)       : 8         Hazard labels (DOT)       : 8 <b>TDG</b> Transport hazard class(es) (TDG)       : 8	DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	: UN1760 : 1760
Proper Shipping Name (TDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IMDG)       : CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)         Proper Shipping Name (IATA)       : Corrosive liquid, n.o.s. (Aliphatic Amine Mixture) <b>14.3. Transport hazard class(es) DOT</b> Transport hazard class(es) (DOT)       : 8         Hazard labels (DOT)       : 8 <b>TDG Tog</b> Transport hazard class(es) (TDG)       : 8	14.2. UN proper shipping name	
DOT Transport hazard class(es) (DOT) : 8 Hazard labels (DOT) : 8 TDG Transport hazard class(es) (TDG) : 8	Proper Shipping Name (TDG) Proper Shipping Name (IMDG)	<ul> <li>CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)</li> <li>CORROSIVE LIQUID, N.O.S. (Aliphatic Amine Mixture)</li> </ul>
Transport hazard class(es) (DOT)       :       8         Hazard labels (DOT)       :       8         Image: state of the	14.3. Transport hazard class(es)	
Transport hazard class(es) (TDG) : 8	Transport hazard class(es) (DOT)	
8	Transport hazard class(es) (TDG)	
IMDG Transport hazard class(es) (IMDG) : 8	-	: 8

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Hazard labels (IMDG)	: 8
	B
IATA Transport hazard class(es) (IATA) Hazard labels (IATA)	
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	: II : II : II : II
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT UN-No.(DOT) DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	<ul> <li>UN1760</li> <li>B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.</li> <li>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.</li> <li>T11 - 6 178.274(d)(2) Normal</li></ul>
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

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DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
TDG	
UN-No. (TDG)	: UN1760
TDG Special Provisions	: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly
	contributes to the hazard or hazards posed by the dangerous goods must be shown, in
	parentheses, on the shipping document following the shipping name in accordance with clause
	3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in
	parentheses, on a small means of containment or on a tag following the shipping name in
	accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).
	(2) Despite subsection (1), the technical name for the following dangerous goods is not required
	to be shown on a shipping document or on a small means of containment when Canadian law fo
	domestic transport or an international convention for international transport prohibits the
	disclosure of the technical name:
	(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;
	(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;
	(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;
	(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or
	(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.
	(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:
	(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or
	(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.
Explosive Limit and Limited Quantity Index	: 1L
Excepted quantities (TDG)	: E2
Passenger Carrying Road Vehicle or Passenger	: 1L
Carrying Railway Vehicle Index	
Emergency Response Guide (ERG) Number	: 154
IMDG	
Special provision (IMDG)	: 274
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA) PCA max net quantity (IATA)	: 851 : 1L
CAO packing instructions (IATA)	: TL : 855
CAO max net quantity (IATA)	: 805 : 30L
Special provision (IATA)	: A3, A803
ERG code (IATA)	: 8L

# 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### **SECTION 15: Regulatory information**

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

**15.2. International regulations** 

#### CANADA

Aromatic sulfonic acid

Listed on the Canadian DSL (Domestic Substances List)

#### **Aliphatic Amine**

Listed on the Canadian DSL (Domestic Substances List)

### 3,3'-oxybis(ethyleneoxy)bis(propylamine) (4246-51-9)

Listed on the Canadian DSL (Domestic Substances List)

#### **Bisphenol A diglycidyl ether resin**

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

#### National regulations

Aromatic sulfonic acid

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. 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

Component	State or local regulations
Aromatic sulfonic acid()	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**

Full text of H-phrases	
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction

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Full text of H-phrases	
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.