

# Safety Data Sheet



## Epoxy Flex – PART A

### 1. IDENTIFICATION

24 HOUR EMERGENCY ASSISTANCE	MANUFACTURER/GENERAL MSDS ASSISTANCE
CHEM-TEL 1-800-255-3924	<b>ONYX CONCRETE COATINGS</b> Tel.: (888)-497-3872 1610 E. Miraloma Ave. Placentia, CA 92870

**PRODUCT IDENTIFIER/NAME:** Epoxy Flex – Part A  
**RECOMMENDED USE:** Chemical intermediate for epoxy

### 2. HAZARD(S) IDENTIFICATION

#### HAZARD CLASSIFICATION:

Acute Oral Toxicity Category 5  
Skin Irritation Category 2  
Skin Sensitizer Category 1  
Germ Cell Mutagenicity Category 2  
Chronic Aquatic Toxicity Category 2

#### NFPA ratings (scale 0 – 4):

HEALTH	2
FIRE	1
REACTIVITY	1
SPECIAL	-

#### NFPA HAZARD RATING:

4= EXTREME    2= MODERATE    0= INSIGNIFICANT  
3= HIGH        1= SLIGHT



#### HAZARD PICTOGRAMS:

**SIGNAL WORD:** Warning

**PHYSICAL APPEARANCE:** Milky gray or colored liquid with faint epoxy odor

#### HAZARD STATEMENTS:

**EYE:** Minor transient irritation. No corneal injury likely.

**SKIN CONTACT:** May cause allergic skin reaction in susceptible individuals. Prolonged exposure Not likely to cause significant skin irritation. Repeated exposure may cause skin irritation.

**SKIN ABSORPTION:** A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The LD<sub>50</sub> for skin absorption in rabbits is 20,000 mg/kg...

**INGESTION:** Low acute oral toxicity; LD<sub>50</sub> (rat) greater than 4000 mg/kg. No hazards anticipated from ingestion incidental to industrial exposure.

**INHALATION:** Vapors are unlikely due to physical properties. Not a problem unless heated to high temperature.

**SYSTEMIC & OTHER EFFECTS:** Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects. A poorly characterized sample of low molecular weight epoxy resin of this type has been reported to produce skin cancer in a highly sensitive strain of mice. However, high levels of impurities compromise the validity of the findings. Epoxy resin that is representative of current manufacturing processes is not believed to be a cancer hazard to humans. Results of mutagenicity tests in animals have been negative. Has been shown to be negative in some in vitro mutagenicity tests and positive in others.

**PRECAUTIONARY STATEMENTS:** Use personal protective equipment as required. Wash thoroughly after handling. Avoid breathing mist/vapors/spray. IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Reaction products of Epichlorohydrin and Bisphenol A</i>	(CAS 25085-99-8)	> 60%
<i>Proprietary Resin Blend</i>	(CAS TS)	<65 %
<i>Alkyl C12 - C14 Glycidyl Ether</i>	(CAS 68609-97-2)	<15 %

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not Hazardous per this OSHA Standard may be listed. Where proprietary Ingredient shows, the identity may be made available as provided in this standard.

### 4. FIRST AID MEASURES

**EYES:** Irrigation of the eye immediately with water for fifteen minutes is a good safety practice.

**SKIN:** Contact will probably cause no more than irritation. Wash off in flowing water or shower. Wash clothing before reuse.

**INGESTION:** Low in toxicity. No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

**INHALATION:** Remove to fresh air if effect occurs. Consult medical personnel.

**NOTE TO PHYSICIAN:** No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** 245°F

**METHOD USED:** PMCC

**FLAMMABLE LIMITS**

**LFL:** Not applicable

**UFL:** Not applicable

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, dry chemical

**FIRE AND EXPLOSION HAZARDS:** None.

**FIRE-FIGHTING EQUIPMENT:** Wear positive pressure SCBA.

### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO TAKE FOR SPILLS/LEAKS:** Large spill -- dike up and pump into appropriate containers. Small spill -- use noncombustible absorbent material/sand and shovel into suitable containers. Residual may be removed using steam or hot soapy water.

**DISPOSAL METHOD:** Large quantities should be recovered. Collect small quantities in waste metal drums and seal for removal to an approved landfill, or incinerate in accordance with local, state, and federal regulations.

## 7. HANDLING AND STORAGE

**SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Practice good caution and personnel cleanliness to avoid skin and eye contact. Avoid breathing vapors of heated material.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**VENTILATION:** Good room ventilation usually adequate for most operations.

**RESPIRATORY PROTECTION:** None normally needed.

**SKIN PROTECTION:** For brief contact, no precautions other than clean body-covering clothing should be needed. Use impervious gloves when prolonged or frequently repeated contact could occur.

**EYE PROTECTION:** Use chemical goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** Not applicable

**VAP PRESS:** Not applicable

**VAP DENSITY:** Not applicable

**SOL. IN WATER:** None

**SP. GRAVITY:** 1.09-1.12

**APPEARANCE:** Milky gray or colored, viscous liquid.

**ODOR:** Faint epoxy odor

## 10. STABILITY AND REACTIVITY

**STABILITY: (CONDITIONS TO AVOID)** Excess heating over long periods of time degrades the resin.

**INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)** Base.

**HAZARDOUS DECOMPOSITION PRODUCTS:** The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, carbon monoxide and water. The thermal decomposition products of epoxy resins therefore should be treated as potentially hazardous substances, and appropriate precautions should be taken.

**HAZARDOUS POLYMERIZATION:** Will not occur by itself but masses more than 1 pound of product plus aliphatic amine will cause irreversible polymerization with considerable heat buildup.

## 11. TOXICOLOGICAL INFORMATION

No Data Available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No Data Available

**Environmental Fate:** No Data Available

**Bioaccumulation:** No Data Available

**Biodegradation:** No Date Available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Large quantities should be recovered. Collect small quantities in waste metal drums and seal for removal to an approved landfill, or incinerate in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

Transportation Emergency Number 1-800-255-3924 (CHEMTEL).

D.O.T. Shipping Name: Not Regulated by D.O.T.

## 15. REGULATORY INFORMATION

### STATUS ON SUBSTANCE LISTS:

The concentrations shown in this document are maximum or ceiling levels (expressed in weight %, unless otherwise specified) to be used for regulations. Trade Secrets are indicated by "TS".

### FEDERAL EPA:

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, and LIABILITY ACT of 1980 (CERCLA):** Requires notification of the National Response Center of release of quantities of Hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% By Weight	RQ
<b>NONE</b>			

### SUPERFUND AMENDMENTS and REAUTHORIZATION ACT of 1986 (SARA) TITLE III:

**Sections 301-304** require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355. Components present in this product at a level which could require reporting under this statute are:

Chemical Name	CAS Number	% By Weight
<b>NONE</b>		

**Sections 311-312** require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

### EPA HAZARD CLASSIFICATIONS:

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Section 313** requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% By Weight
<b>NONE</b>		

If you are unsure if you must report more information, call the EPA Emergency Planning and Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

### TOXIC SUBSTANCES CONTROL ACT (TSCA):

The components of this product are contained on the chemical substance inventory list.

## 16. OTHER INFORMATION

Date Revised: 05/06/2015

### MANUFACTURER'S NAME AND ADDRESS:

**ONYX CONCRETE COATINGS**  
1610 E. Miraloma Ave.  
Placentia, CA 92870  
Telephone: 888-497-3872

The information herein is given in good faith, but no warranty expressed or implied is made. Onyx Concrete Coatings urges users of this product to evaluate its suitability and compliance with local regulations as Onyx cannot foresee the nature of the final application nor final location of usage.

# Safety Data Sheet



## Epoxy Flex – PART B

### 1: Identification

24 HOUR EMERGENCY ASSISTANCE	MANUFACTURER/GENERAL MSDS ASSISTANCE
CHEM-TEL 1-800-255-3924	<b>ONYX CONCRETE COATINGS</b> Tel.: (714)-572-6723 1610 E. Miraloma Ave. Placentia, CA 92870

**PRODUCT IDENTIFIER/NAME:** Epoxy Flex – PART B

**RECOMMENDED USE:** Curing agent for epoxy

### 2: Hazard(s) identification

#### GHS classification:

- Acute toxicity (oral), category 4.
- Skin corrosion, category 1B.
- Serious eye damage, category 1.
- Skin sensitization, category 1.
- Reproductive toxicity, category 2.
- Acute aquatic hazard, category 2.
- Chronic aquatic hazard, category 2.

#### NFPA ratings (scale 0 – 4):

HEALTH	3
FIRE	2
REACTIVITY	1

#### NFPA HAZARD RATING:

4= EXTREME 3= HIGH 2= MODERATE 1= SLIGHT 0= INSIGNIFICANT

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements:

- H318 Causes serious eye damage
- H314 Causes severe skin burns and eye damage
- H302 Harmful if swallowed

H361 Suspected of damaging fertility or the unborn child  
 H317 May cause an allergic skin reaction  
 H401 Toxic to aquatic life  
 H411 Toxic to aquatic life with long lasting effects

**Precautionary statements:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
 P264 Wash skin 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 should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
 P302+P352 If on skin: Wash with soap and water.  
 P303+P361+P353+P310 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.  
 P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.  
 P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
 P308+P313 If exposed or concerned: Get medical advice/attention.  
 P321 Specific treatment (see supplemental first aid instructions on this label).  
 P330 Rinse mouth.  
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents and container as instructed in Section 13.

**Hazards not otherwise classified:** None

**3: Composition/information on ingredients**

Identification	Name	Weight %
CAS number: 69-72-7	Salicylic acid	<1
CAS number: 100-51-6	Benzyl Alcohol	20-40
CAS number: 84852-15-3	Nonyl phenol	<5
CAS number: 2579-20-6	1,3-Cyclohexanedimethanamine	10-25
CAS number: Trade Secret	Polyetheramine	<10

CAS number: Trade Secret	Cycloaliphatic Amine Adduct	15-30
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**Additional Information:**

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

**4: First aid measures**

**Description of first aid measures**

**General notes:**

First responders should wear gloves and other self-protection when performing treatment.

**After inhalation:**

- Immediately call a POISON CONTROL CENTER or seek medical attention.
- Take precautions to ensure your own safety.
- Remove source of exposure or move person to fresh air and keep comfortable for breathing.
- If breathing has stopped, trained personnel should begin rescue breathing.
- Avoid mouth-to-mouth contact by using a barrier device.
- If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR).

**After skin contact:**

- Immediately call a POISON CONTROL CENTER or seek medical attention.
- Avoid direct contact and wear chemical protective clothing, if necessary.
- Immediately take off all contaminated clothing.
- Wash with plenty of water / soap and rinse thoroughly until medical aid is available.
- Gently blot or brush away excess product.
- Wash contaminated clothing before re-use or discard.

**After eye contact:**

- Rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CONTROL CENTER or seek medical attention.

**After swallowing:**

- Immediately call a POISON CONTROL CENTER or seek medical attention.
- Rinse mouth and do not induce vomiting.
- If breathing has stopped, trained personnel should begin rescue breathing.
- Avoid mouth-to-mouth contact by using supplied air / barrier device.
- If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR).

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

**Acute symptoms and effects:**

Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. Suspected of damaging fertility or the unborn child.

**Delayed symptoms and effects:**

Not determined or not available.

**Immediate medical attention and special treatment**

**Specific treatment:**

Not determined or not available.

**Notes for the doctor:**

No additional information.

**5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media:**

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

**Unsuitable extinguishing media:**

Do not use water stream, as this may spread fire.

**Specific hazards during fire fighting:**

Thermal decomposition can lead to release of irritating gases and vapors.

**Special protective equipment for firefighters:**

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

**Special precautions:**

None

**6: Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

Wear recommended personal protective equipment.

Ensure adequate ventilation.

Ensure air handling systems are operational.

**Environmental precautions:**

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

**Reference to other sections:**

None

**7: Handling and storage****Precautions for safe handling:**

Use appropriate personal protective equipment (see Section 8).

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Wash thoroughly after handling.

Do not get in eyes, on skin, or on clothing.

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

Store in a cool, well-ventilated area.

Keep container tightly sealed.

Hold bulk storage under a nitrogen blanket.

**8: Exposure controls/personal protection****Occupational Exposure limit values:**

Country (Legal Basis)	Substance	Identifier	Permissible concentration
WEEL	Benzyl Alcohol	100-51-6	WEEL TWA 10.0 ppm

**Biological limit value:**

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

**Information on monitoring procedures:**

Not determined or not applicable.

**Appropriate engineering controls:**



Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

**Personal protection equipment**

**Eye and face protection:**

Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

**Skin and body protection:**

Select glove material impermeable and resistant to the substance.

Suitable gloves can be recommended by supplier.

**Respiratory protection:**

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, use a NIOSH-approved respirator.

**General hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

Wash contaminated clothing before reusing.

**9: Physical and chemical properties**

**Information on basic physical and chemical properties**

<b>Appearance</b>	Light yellow liquid
<b>Odor</b>	Ammonia-like
<b>Odor threshold</b>	Not determined or not available.
<b>pH</b>	>12
<b>Melting point/freezing point</b>	Not determined or not available.
<b>Initial boiling point/range</b>	Not determined or not available.
<b>Flash point (closed cup)</b>	124°C (255°F)
<b>Evaporation rate</b>	Not determined or not available.
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	Not determined or not available.
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	1.04 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	250 - 350 cPs
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

**Other information**

## 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

None known.

### Incompatible materials:

Strong oxidizing agents.

Strong acids.

### Hazardous decomposition products:

Carbon monoxide, carbon dioxide, Nitrogen oxides, ammonia.

## 11: Toxicological information

### Acute toxicity

**Assessment:** Harmful if swallowed

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Benzyl Alcohol	oral	LD50 - Rat - 1,230 mg/kg
	inhalation	LD50 - Rat - > 4,178 mg/m <sup>3</sup>
Salicylic acid	oral	LD50 Oral - Rat - male - 891 mg/kg
1,3-Cyclohexanedimethanamine	oral	rat - female - > 300 - 2,000 mg/kg
Polyetheramine	oral	LD50 - Rat - 550 mg/kg
	dermal	LD50 - Rat - > 1,000 mg/kg
Nonyl phenol	oral	LD50 - Rat - 1,300 mg/kg

### Skin corrosion/irritation

**Assessment:** Causes severe skin burns and eye damage

**Product data:** No data available.

#### Substance data:

Name	Result
1,3-Cyclohexanedimethanamine	Rabbit - Severe burns.
Nonyl phenol	Corrosive to the skin.
Cycloaliphatic Amine Adduct	Corrosive to the skin.

### Serious eye damage/irritation

**Assessment:** Causes serious eye damage

**Product data:** No data available.

#### Substance data:

Name	Result
Polyetheramine	Corrosive to the eyes.
Nonyl phenol	Corrosive to the eyes.

Name	Result
Salicylic acid	Causes serious eye damage
Cycloaliphatic Amine Adduct	Corrosive effect on the eyes.

#### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction

**Product data:** No data available.

**Substance data:**

Name	Result
Cycloaliphatic Amine Adduct	Sensitization possible through skin contact.

#### Carcinogenicity

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

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

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

**Product data:** No data available.

**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** Suspected of damaging fertility or the unborn child

**Product data:** No data available.

**Substance data:**

Name	Result
Nonyl phenol	Suspected human reproductive toxicant.

#### Specific target organ toxicity (single exposure)

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

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (repeated exposure)

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

**Product data:** No data available.

**Substance data:** No data available.

#### Aspiration toxicity

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

**Product data:** No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:** No data available.

**Symptoms related to physical, chemical and toxicological characteristics:** No data available.

**Other information:** No data available.

## 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Toxic to aquatic life

**Product data:** No data available

**Substance data:**

Name	Result
1,3-Cyclohexanedimethanamine	semi-static test LC50 - Leuciscus idus (Golden orfe) - 130 mg/l - 96 h
	static test EC50 - Daphnia magna (Water flea) - 33.1 mg/l - 48 h
	static test EC50 - Pseudokirchneriella subcapitata (green algae) - 56.7 mg/l - 72h
	Growth inhibition EC50 - Sludge Treatment - > 1,000 mg/l - 3 h
Polyetheramine	EC50 - Pseudokirchnerella subcapitata - 4.4 mg/L - 72 h
Nonyl phenol	flow-through test LC50 - Lepomis macrochirus - 0.209 mg/l - 96 h
	semi-static test EC50 - Daphnia magna (Water flea) - 0.0844 mg/l - 48 h
	static test EC50 - Selenastrum capricornutum (green algae) - 0.33 mg/l - 72 h

### Chronic (long-term) toxicity

**Assessment:** Toxic to aquatic life with long lasting effects

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### Other adverse effects:

No information available.


## 13: Disposal considerations

### Disposal methods:

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


## 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)


<b>UN number</b>	UN2735
<b>UN proper shipping name</b>	UN2735, Amines, Liquid, Corrosive, N.O.S. (1,3- Cyclohexanedimethanamine, nonyl phenol), 8, II
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	II
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	UN2735
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<b>UN proper shipping name</b>	UN2735, Amines, Liquid, Corrosive, N.O.S. (1,3-Cyclohexanedimethanamine, nonyl phenol), 8, II, Marine Pollutant
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	II
<b>Environmental hazards</b>	Marine Pollutant
<b>Special precautions for user</b>	None

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

<b>UN number</b>	UN2735
<b>UN proper shipping name</b>	UN2735, Amines, Liquid, Corrosive, N.O.S. (1,3-Cyclohexanedimethanamine, nonyl phenol), 8, II, Marine Pollutant
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	II
<b>Environmental hazards</b>	Marine Pollutant
<b>Special precautions for user</b>	None

<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
<b>Bulk Name</b>	Not determined.
<b>Ship type</b>	Not determined.
<b>Pollution category</b>	Not determined.

**15: Regulatory information**

**United States regulations**

**Inventory listing (TSCA):** All ingredients are listed.

**Significant New Use Rule (TSCA Section 5):**

84852-15-3	Nonyl phenol	Listed
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**Export notification under TSCA Section 12(b):**

84852-15-3	Nonyl phenol	Listed
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**SARA Section 311/312 hazards:**

Acute	Chronic	Fire	Pressure	Reactive
Yes	Yes	No	No	No

**SARA Section 302 extremely hazardous substances:** Not listed

**SARA Section 313 toxic chemicals:**

84852-15-3	Nonyl phenol	Listed
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**CERCLA:** Not listed

**RCRA:** See Section 13

**Section 112(r) of the Clean Air Act (CAA):** Not listed

**Massachusetts Right to Know:**

100-51-6	Benzyl Alcohol	Listed
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**New Jersey Right to Know:** Not listed

**New York Right to Know:** Not listed

100-51-6	Benzyl Alcohol	Listed
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**Pennsylvania Right to Know:**

**California Proposition 65:**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

108-88-3	Toluene
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**16: Other information**

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**Initial preparation date:** 10.27.2016

**End of Safety Data Sheet**