

Safety Data Sheet



Epoxy Prime Base Fast – PART A

1. IDENTIFICATION

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

PRODUCT IDENTIFIER/NAME: Epoxy Prime Base Fast – 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

NFPA ratings (scale 0 – 4):

HEALTH	1
FIRE	2
REACTIVITY	0
SPECIAL	-

NFPA HAZARD RATING:

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



HAZARD PICTOGRAMS:

SIGNAL WORD: Warning

PHYSICAL APPEARANCE: Clear to milky 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 LD₅₀ for skin absorption in rabbits is 20,000 mg/kg.

INGESTION: Low acute oral toxicity; LD₅₀ (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 AND 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 to minimize repeated skin exposure. Wash thoroughly after handling. If skin irritation or rash occurs: Wash with plenty of soap and water and avoid repeated exposure. 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)	> 90%
<i>Alkyl Glycidyl Ether</i>	(CAS 68609-97-2)	>10%
<i>Dipropylene glycol monomethyl ether acetate</i>	(CAS 88917-22-0)	> 7%

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: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended

INHALATION: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

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: 186°F

METHOD USED: Seta CC

SUITABLE EXTRINGUISHING MEDIA: Dry chemical, Carbon dioxide (CO₂), Water spray, Alcohol-resistant foam

HAZARDOUS COMBUSTION MEDIA: Carbon dioxide and carbon monoxide, Hydrocarbons

PRECAUTION FOR FIRE FIGHTING: If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and are ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb

unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

METHODS FOR CLEANING UP: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

7. HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

STORAGE: Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

These recommendations provide general guidance for handling this product.

Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

EXPOSURE CONTROL: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

VENTILATION: Good room ventilation usually adequate for most operations.

RESPIRATORY PROTECTION: If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist).

Engineering or administrative controls should be implemented to reduce exposure.

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: 1.12-1.14

APPEARANCE: Straw colored 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 is 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

Acute oral toxicity

DIPROPYLENE GLYCOL MONOMETHYL

ETHER ACETATE LD 50 Rat: > 5,000 mg/kg
Acute inhalation toxicity
DIPROPYLENE GLYCOL MONOMETHYL
ETHER ACETATE no data available
Acute dermal toxicity
DIPROPYLENE GLYCOL MONOMETHYL
ETHER ACETATE LD 50 Rabbit: > 5,000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No Data Available

Environmental Fate: No Data Available

Bioaccumulation: No Data Available

Biodegradation: No Data 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 CHEM-TEL

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".

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
NONE		

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
No	No	No	No	No

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
NONE		

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 or final location of usage.

Safety Data Sheet



Epoxy Prime Base Fast – PART B

1: Identification

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

PRODUCT IDENTIFIER/NAME: Epoxy Prime Base Fast – 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

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

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



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

International Maritime Dangerous Goods (IMDG)

UN number	UN2735
UN proper shipping name	UN2735, Amines, Liquid, Corrosive, N.O.S. (1,3- Cyclohexanedimethanamine, nonyl phenol), 8, II, Marine Pollutant

UN transport hazard class(es)	8	 
Packing group	II	
Environmental hazards	Marine Pollutant	
Special precautions for user	None	

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

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

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

Pennsylvania Right to Know:	84852-15-3	Nonyl phenol	Listed
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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