

Safety Data Sheet



Epoxy Accelerator

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 Accelerator

RECOMMENDED USE: Accelerator for epoxy

2. HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION:

Skin Corrosion Category 1C
Serious Eye Damage Category 1
Skin Sensitization Category 1

NFPA ratings (scale 0 – 4):

HEALTH	3
FIRE	1
REACTIVITY	0
SPECIAL	-

NFPA HAZARD RATING:

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



HAZARD PICTOGRAMS:

SIGNAL WORD: Danger

PHYSICAL APPEARANCE:

HAZARD STATEMENTS:

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS:

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Disposal: Disposal of contents/container to be specified in accordance with regulations.

HAZARDS NOT OTHERWISE CLASSIFIED:

Corrosive. Components of the product may affect the nervous system. Harmful if swallowed. Harmful in contact with skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Tris-2,4,6-(dimethylaminomethyl) phenol
Bis(dimethylaminomethyl) phenol

(CAS 90-72-2) < 90%
(CAS 71074-89-0) < 15%

CHEMICAL FAMILY: Mannich Base

4. FIRST AID MEASURES

GENERAL ADVICE: Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

EYE CONTACT: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

SKIN CONTACT: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

INGESTION: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

INHALATION: Move to fresh air.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical. Dry sand. Limestone powder.

SPECIFIC HAZARDS: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

FIRE-FIGHTING EQUIPMENT: Avoid contact with skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

FURTHER INFORMATION: Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

ENVIRONMENTAL PRECAUTIONS: Construct a dike to prevent spreading.

DISPOSAL METHOD: Approach suspected leak areas with caution. Place in appropriate chemical waste container.

ADDITIONAL ADVICE: If possible, stop flow of product.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink, or smoke.

Storage: Do not store near acids. Store in steel containers preferably located outdoors, above ground, and surrounded by dikes to contain spills or leaks. Keep containers tightly closed in a dry, cool, and well-ventilated place.

Technical Measures: Do not store in reactive metal containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES: Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory protection: Not required for properly ventilated areas.

Hand protection: Butyl-rubber. Nitrile rubber. Neoprene gloves. Impervious gloves. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Full face shield with goggles underneath.

Skin and body protection: Slicker suit. Impervious clothing. Full rubber suit (rain gear). Rubber or plastic boots.

Special instructions: Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash hands at the end of each work shift and before eating, smoking, or using the toilet. Provide readily accessible eye wash stations and safety showers.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: > 212 °F (> 100 °C)

MELTING POINT: -4 °F (-20 °C)

FLASH POINT: 300 °F (148 °C)

pH: 11.3

PARTITION COEFFICIENT (n-octanol/water): 0.219

VAP PRESS: < 0.01 mmHg at 70 °F (21 °C)

VAP DENSITY: Not applicable

SOL. IN WATER: 850 g/L

SP. GRAVITY: 0.97 (water = 1)

APPEARANCE: Liquid. Light yellow.

ODOR: Amine-like

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: No data available.

MATERIALS TO AVOID: Organic acids, Mineral acids, Sodium hypochlorite, product slowly corrodes copper, aluminum, zinc, and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitric acid, Ammonia, Nitrogen Oxides (NO_x), Nitrogen oxide can react with water vapors to form corrosive nitric acid, Carbon monoxide, Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:

Effects on Eye: Corneal edema may give rise to a perception of “blue haze” or “fog” around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness.

Effects on Skin: Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting. Harmful in contact with skin.

Inhalation Effects: Can cause severe eye, skin, and respiratory tract burns. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

Ingestion Effects: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of

the oesophagus and the stomach. Harmful if swallowed.

Symptoms: No data available.

ACUTE TOXICITY:

Acute Oral Toxicity: LD50: 2,169 mg/kg Species: Rat

Inhalation: No data is available on the product itself.

Acute Dermal Toxicity: No data is available on the product itself.

Skin Corrosion/Irritation: Corrosive to the skin of a rabbit. Corrosive in an in vitro test.

Serious Eye Damage/Eye Irritation: Severe eye irritation. Corrosives to the eyes of a rabbit.

Sensitization: Dermal sensitization to this product or component has been seen in some humans. The results of a test on guinea pigs showed this substance to be a weak skin sensitizer.

CHRONIC TOXICITY:

Carcinogenicity: No data available.

Reproductive toxicity: No data available on the product itself.

Germ cell mutagenicity: No evidence of mutagenic activity was observed in a bacterial mutation assay.

Chromosome Aberration Assay: Negative (Activated and Nonactivated)

Specific target organ systemic toxicity (single exposure): No data available.

Specific target organ systemic toxicity (repeated): No data available.

Aspiration hazard: No data available.

This product contains no listed carcinogens according to IARC, ACGIH, NTP, and/or OSHA in concentrations of 0.1 percent or greater. Subchronic exposure of this material or component in test animals has caused abnormalities in the following organ(s): Central nervous system.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

LC50 (24h): 222 mg/L Species: Rainbow trout (*Oncorhynchus mykiss*)

LC100 (96h): 240 mg/L Species: Rainbow trout (*Oncorhynchus mykiss*)

LC0 (96h): 180 mg/L Species: Rainbow trout (*Oncorhynchus mykiss*)

LC50 (24h): 249 mg/L Species: Carp (*Cyprinus carpio*)

LC50 (96h): 175 mg/L Species: Carp (*Cyprinus carpio*)

EC50 (96h): 718 mg/L Species: Grass shrimp (*Palaemonetes*)

EC100 (96h): 1,000 mg/L Species: Mud crab (*Neopanope*)

EC0 (96h): 750 mg/L Species: Mud crab (*Neopanope*)

EC50 (72h): 84 mg/L Species: *Scenedesmus subspicatus*

NOEC (72h): 6.25 mg/L Species: *Scenedesmus subspicatus*

Toxicity to other organisms: No Data Available.

Mobility: No Data Available.

Bioaccumulation: No Data Available on the product itself.

Biodegradation: According to the results of tests of biodegradability this product is not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES: Contact supplier if guidance is required.

CONTAMINATED PACKAGING: Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. TRANSPORT INFORMATION

Transportation Emergency Number: 1-800-255-3924 CHEM-TEL.

DOT

UN/ID No.: UN2735

Proper shipping name: Amines, liquid, corrosive, n.o.s., (Tris-2,4,6-(dimethylaminomethyl)phenol, Bis(dimethylaminomethyl)phenol)

Class or Division: 8

Packing group: III

Label(s): 8

Marine Pollutant: No

IATA

UN/ID No.: UN2735

Proper shipping name: Amines, liquid, corrosive, n.o.s., (Tris-2,4,6-(dimethylaminomethyl)phenol, Bis(dimethylaminomethyl)phenol)

Class or Division:

Packing group:

Label(s):

Marine Pollutant: No

IMDG

UN/ID No.: UN2735

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S., (Tris-2,4,6-(dimethylaminomethyl)phenol, Bis(dimethylaminomethyl)phenol)

Class or Division: 8

Packing group: III

Label(s): 8

Marine Pollutant: No

TDG

UN/ID No.: UN2735

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S., (Tris-2,4,6-(dimethylaminomethyl)phenol, Bis(dimethylaminomethyl)phenol)

Class or Division: 8

Packing group: III

Label(s): 8

Marine Pollutant: No

Further Information:

The transportation information is not intended to convey all specific regulatory data relating to this material.

15. REGULATORY INFORMATION

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification:

Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:

None

TOXIC SUBSTANCES CONTROL ACT (TSCA) 12(b) Component(s):

None

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65):

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other hard.

16. OTHER INFORMATION

Date Revised: 06/13/2016

MANUFACTURER'S NAME AND ADDRESS:

ONYX CONCRETE COATINGS

1610 E. Miraloma Ave.

Placentia, CA 92870
Telephone: 888-497-3872

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