

SAFETY DATA SHEET

Epoxy XLR8

Hazardous Substance

Section 1: Identification

Curing agent, catalyst

- 1.1 Product Identifier** Curing agent, catalyst for use in Eco Epoxy Shield
Trade name : Epoxy XLR8
- 1.2 Recommended Use** Curing agent, catalyst for use in Eco Epoxy Shield
- 1.3 Details of supplier of the SDS**
- Manufacturer**
Ecoshield Performance Coatings Pty Ltd
66 O'Sullivan's Beach Road
Lonsdale
South Australia 5160
- Contact Person**
Joe Haif, Managing Director
- 24/7 Emergency**
0414 793 237 (TAMSA International Consulting)
- Email**
info@ecoshield.com.au

Section 2: Hazard Identification

- 2.1 Classification of the substance or mixture** Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Sensitisation – Skin: Category 1
Skin Corrosion/Irritation: Category 1C
- 2.2 Signal Word(s)** DANGER



Hazard Number	Hazard Statement
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
Precautionary Number	Precautionary Statement - Prevention
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash contaminated skin thoroughly after handling
P272	Contaminated work clothing should be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
Precautionary Statement - Response	
P301+P330+P331	IF SWALLOWED: rinse mouth. DO NOT induce vomiting
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353	IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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 CENTRE or doctor/physician
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse
Precautionary Statement - Storage	

P405	Store locked up
	Precautionary Statement – Disposal
P501	Dispose of contents/container according to local regulations

Section 3: Composition of Substance or Mixture

Chemical Name	CAS Number	Percentage
Tris-2,4,6- (dimethylaminomethyl) phenol	90-72-2	<90%
Bis [(dimethylamino) methyl] phenol	71074-89-0	<15%

Section 4: First Aid Measures

4.1 General First Aid Information

First Aid Measures	You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have the SDS with you when you call.
Inhalation	Move to fresh air
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.
Skin	Immediately remove contaminated clothing and any extraneous material, if possible to do so without delay. 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. Cover wound with sterile dressing.
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.

4.2 Symptoms Caused by Exposure

No known effects

Section 5: Fire-Fighting Measures

	Do not allow run-off to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
	Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
Suitable extinguishing media	Alcohol resistant foam, carbon dioxide (CO ₂), dry chemical, dry sand, limestone powder.
Specific hazards arising from the chemical	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.
Hazchem Code	2X

Section 6: Accidental Release Measures

- 6.1 Methods and materials for containment and cleaning up**
Approach suspected leak areas with caution. Place in appropriate chemical waste container.
- 6.2 Personal Precautions**
Wear suitable protective clothing, gloves and eye/face protection. Use self contained breathing apparatus and chemical protective clothing. Evacuate personnel to safe areas.
- 6.3 Environmental Precautions**
Construct a dike to prevent spreading
- 6.4 Other Information**
If possible, stop flow of product

Section 7: Handling and Storage

7.1 Precautions for Safe 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.

7.2 Conditions for safe storage, including any incompatibilities

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.

7.3 Unsuitable Materials

Do not store in reactive metal containers

Section 8: Exposure Controls / Personal Protection

8.1 Exposure Controls, Personal Protection

The following Australian and New Zealand standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS 2210.

8.2 Appropriate engineering controls

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

Respiratory Protection:	Not required for properly ventilated areas
Eye Protection:	Full face shield with goggles underneath
Hand Protection:	Butyl rubber. Nitrile rubber. Neoprene gloves. Impervious gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.
Body Protection:	Slicker suits. Impervious clothing. Full rubber suit (rain gear). Rubber or plastic boots.
Hygiene Measures:	Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

Section 9: Physical and Chemical Properties

Form	Liquid
Appearance	Light yellow
Odour	Amine Like
Melting Point	-20°C
Boiling Point	>100°C
Solubility in Water	850 g/l
Specific Gravity	0.97
pH	11.3
Vapour Pressure	<0.01 mmHg
Vapour Density (Air=1)	Not available
Evaporation Rate	No data available
Partition Coefficient: n-octanol/water	0.219
Flash Point	148.89°C
Auto Ignition Temperature	Not available
Explosion Limit – Upper	Not available
Explosion Limit - Lower	Not available

Section 10: Stability and Reactivity

10.1 Chemical Stability

Stable under normal conditions

10.2 Conditions to Avoid

No data available

10.3 Incompatible Materials

Sodium hypochlorite. Organic acids. Mineral acids. Oxidising agents.

10.4 Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂). Oxides of nitrogen. Nitrogen oxides can react with water vapours to form corrosive nitric acid. Ammonia.

10.5 Possibility of hazardous reactions

Product slowly corrodes copper, aluminium, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

Section 11: Toxicological Information

Symptoms that may arise if material is mishandled or used incorrectly.

Acute Toxicity – Oral Exposure

LD50, rat : 2169 mg/kg.

Acute Toxicity – Dermal Exposure

No data is available on the product itself.

Acute Toxicity – Inhalation exposure

No data is available on the product itself.

Ingestion

If ingested, severe burns of the mouth and throat as well as a danger of perforation of the esophagus and the stomach. Harmful if swallowed.

Inhalation

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.

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.

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 vapour can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness.

Respiratory sensitisation

No data available

Skin sensitisation

Dermal sensitization to the 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 sensitiser.

Germ cell mutagenicity

No evidence of mutagenic activity was observed in a bacterial mutation assay. Chromosome Assay: Negative (Activated and non activated).

Carcinogenicity

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

Reproductive Toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration Hazard

No data available

Chronic Effects

Subchronic exposure of this material or component in test animals has caused abnormalities in the following organ(s):
Central nervous system.

Serious eye damage/irritation

Severe eye irritation. Corrosive to the eyes of a rabbit

Skin corrosion/irritation

Severe skin irritation. Corrosive to the skin of a rabbit.

Section 12: Ecological Information

- 12.1 Persistence and degradability**
According to the results of tests of biodegradability this product is not readily biodegradable.
- 12.2 Mobility**
No data is available for this material
- 12.3 Bioaccumulative Potential**
No data is available on the product itself
- 12.4 Other adverse effects**
No data available
- 12.5 Acute toxicity - Fish**
LC50, Rainbow trout (*Oncorhynchus mykiss*), 24h: 222 mg/l
LC100, Rainbow trout (*Oncorhynchus mykiss*), 96h: 240 mg/l
LC0, Rainbow trout (*Oncorhynchus mykiss*), 96h: 180 mg/l
LC50, Carp (*Cyprinus carpio*), 24h: 249 mg/l
LC50, Carp (*Cyprinus carpio*), 96h: 175 mg/l
- 12.6 Acute toxicity – Algae**
EC50, *Scenedesmus subspicatus*, 72h: 84 mg/l
- 12.7 Acute toxicity – Other organisms**
EC50, Grass shrimp (*Palaemonetes*), 96h: 718 mg/l
EC100, Mud Crab (*Neopanope*), 96h: 1000 mg/l
EC0, Mud Crab (*Neopanope*), 96h: 750 mg/l

Section 13: Disposal Considerations

- 13.1 Disposal Considerations**
Dispose of waste according to applicable local, state and federal regulations
- 13.2 Container Disposal**
Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transportation Information

- 14.1 U.N. Number**
2735
- 14.2 UN proper shipping name**
AMINES, LIQUID, CORROSIVE, N.O.S. - (Tris-2,4,6-(dimethylaminomethyl)phenol, Bis(dimethylaminomethyl)phenol)
- 14.3 Transport hazard class(es)**
8
- 14.4 Hazchem Code**
2X
- 14.5 Packing Group**
III
- 14.6 EPG Number**
8A1
- 14.7 IERG Number**
36
- 14.8 IMO Marine Pollutant**
No.
- 14.9 Marine Pollutant**
No.
- 14.10 Other information**
Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.

Section 15: Regulatory Information

15.1 Poisons Schedule
S5

15.3 AICS (Australia)
All components of this material are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

Section 11: Other Information

16.1 Revision and Date of SDS

New SDS format - Issue number 1, dated 31 May 2019

16.2 SDS Prepared by:

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TAMSA International Consulting
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Important note:

All information contained in this SDS is considered by TAMSA International Consulting to be correct at the time of publication. All materials present hazards known and unknown. Caution in use of any product is recommended. This SDS is prepared for Ecoshield Performance Coatings Pty Ltd and is provided for customer and public use in good faith believing it to be accurate and representative. Final determination of suitability for use is the responsibility of the product user

EMERGENCY SDS CONTACT POINT

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