



Material Safety Data Sheet

Page 1 of 5

Issue date: December, 2017

EPOXY TOP COAT & EPOXY CLEAR TOP COAT 100% Solid. Part B (Hardener).

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier: AA SPECIALISED SOLUTIONS
ABN 13 501 718 284
Warehouse:- Beaudesert Rd, Archerfield, QLD 4108
Office:- Hillcrest, Qld, 4118
Tel: 0411 567 083 +61 7 3800 7040
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Product Name: Epoxy Top Coat Part B (Pigmented) & Epoxy Clear Top Coat Part B

Use: Hardener component for two pack epoxy coating

UN Number: UN2289
Proper Shipping Name: Isophoronediamine Mixture
Dangerous Goods Class: 8
Packing Group: III
Hazchem Code: Acute Health Hazard

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components CAS Number	100-51-6 Benzyl Alcohol (40 – 70%) 2855-13-2 Isophoronediamine (IPD) (10 – 30%) Cycloaliphatic amine (15 – 40%)
Chemical Family	Cycloaliphatic Amine

3. HAZARD IDENTIFICATION

Hazard classification: Acute Health Hazard
Component above 'de minimus level' – None
EPA SARA Title III Section 312 & 313 (40 CFR 370 & 372).
WHMIS Hazard Classification – Toxic Material causing other toxic effects,
Corrosive Material.
HMIS Rating: Health: 3 Flammability: 1 Physical hazard: 0

Risk : Toxic by inhalation. Corrosive. Components of the product may affect the
Nervous system. Severe eye irritant. Severe respiratory irritant.
Severe skin irritant. May cause sensitization by skin contact.

Safety : Store container in a well ventilated place.
Avoid extended exposure and read instructions before use.
If spilled in eyes, rinse with plenty of water and contact doctor.
Remove contaminated clothing immediately.

4. FIRST AID MEASURES

Inhalation: Toxic by inhalation. Harmful if inhaled and may cause delayed lung injury. Risk of serious damage to lungs. May cause nose, throat & lung irritation. 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. Inhalation of vapors in high concentration may cause irritation of respiratory system.



Material Safety Data Sheet

Page 2 of 5

Issue date: December, 2017

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- 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.

Skin Contact: Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as head ache, nausea, dizziness, confusion, breathing difficulties.

- Immediately remove contaminated clothing & any extraneous chemical, if possible & do so without delay. Initiate & maintain gentle and continuous irrigation up to an hour. Seek medical care.

Eye Contact: Product vapour in low concentration can cause lacrimation, conjunctivitis and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema can cause the perception of 'blue haze' or 'fog' around lights, although this is a temporary effect and has no known residual effect. Causes eye burns. May cause blindness. Severe eye irritation.

- Hold eyelids apart & gently & continuously irrigate the eye for up to an hour. Seek medical care.

Ingestion: If ingested, severe burns of the mouth and throat as well as a danger of perforation of the oesophagus and stomach. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

- If a person vomits when lying on his back, place him in the recovery position. 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.

Aggravated Medical Conditions: Asthma. Eye disease, skin disorders & allergies. Neurological disorders.

5. FIRE-FIGHTING MEASURES

Flash Point	96 °C	
Ignition Temperature	Not available	
Flammable Limits UEL	Not Available	Boiling Point: 401 °F (205 °C)

Vapor Pressure: < 10.34 mmHg at 70°F (21°C)

Extinguishing Media Alcohol-resistant foam. Carbon dioxide (CO₂). Dry Chemical. Dry Sand. Limestone Powder..

Unusual Fire & Explosion Hazards May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Burning produces obnoxious & toxic fumes.

Avoid contact with skin. A face shield should be worn. Use personal protective equipment & self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Materials cleanup Evacuate the area. Approach suspected leak areas with caution. Contact Emergency Response center for advice. Place in appropriate chemical waste container. Disposal should be effected by an approved waste disposal organisation according to local regulations.



Material Safety Data Sheet

Page 3 of 5

Issue date: December, 2017

EPOXY TOP COAT & EPOXY CLEAR TOP COAT 100% Solid. Part B (Hardener).

Personal precautions:

Never allow any of this product to enter drains, sewers or waterways
Use self-contained breathing apparatus. Wear full face shield with
Chemical resistant goggles worn underneath. Wear rubber gloves &
impervious protective clothing with long sleeves & trousers. Rubber or
plastic boots. Wash at the end of each workshift before eating, smoking or
using the toilet.

7. HANDLING AND STORAGE

Handling:

Use only in well ventilated areas. Wear personal protective equipment (PPE) as per Section 8. Avoid breathing vapors. Emergency showers to eye wash equipment should be available. Avoid skin & eye contact.

Storage:

Store in a cool dry place and out of direct sunlight. Keep containers tightly closed when not in use. Keep out of reach of children. Store in Steel containers preferably located outdoors, above ground & surrounded by dikes to contain spills. Do not store near acid or in containers of reactive metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Benzyl alcohol - Time Weighted Average (TWA): WEEL 10ppm
44.2 mg/m³

Hygiene Measures

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour/ Odor/ Form:

Colorless Ammoniacal Liquid

Water Solubility:

<0.1 g/l

PH: 9

10. STABILITY AND REACTIVITY

STABILITY:

Stable in original sealed containers in cool dry conditions.

Incompatible materials :

Reactive metals (eg sodium, calcium, zinc etc). Materials reactive with hydroxyl compounds. Sodium hypochlorite, Organic & mineral acids. Product slowly erodes copper, aluminum, zinc & galvanized surfaces. Product reacts with peroxides & may cause an explosion. Oxidizing agents.

Hazardous decomposition to:

Nitric acid, Ammonia, Nitrogen Oxides, Carbon monoxide, Carbon dioxide, Aldehydes, Flammable hydrocarbon fragment (e.g acetylene).

11. TOXICOLOGICAL INFORMATION

Acute Data:

Acute Health Hazard. Protect product from any eye, skin, ingestion & inhalation.



Material Safety Data Sheet

Page 4 of 5

Issue date: December, 2017

EPOXY TOP COAT & EPOXY CLEAR TOP COAT 100% Solid. Part B (Hardener).

12. ECOLOGICAL INFORMATION

Ecology: No data is available on the product itself. Make sure this product is well contain so it can't get into waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal: Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION - CFR / IATA / IMDG / CTC

UN Number: UN2289
Proper Shipping Name: Isophoronediamine Mixture
Dangerous Goods Class: 8
Packing Group: III
Hazchem Code: Acute Health Hazard

Transport Information: Harmful to aquatic organisms; may cause long term effects in the aquatic environment (R52/53) Irritating to skin (R38) Risk of serious damage to eyes (R41).
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26). Wear eye/face protection (S39). Avoid release to the environment.

15. REGULATORY INFORMATION

Risk Phrase: R34 Causes burns. R38 Irritating to eyes and skin. R41 Risk of serious eye damage. R43 May cause sensitisation by skin contact. R51 Toxic to aquatic organisms. R53 May cause long term adverse effects in the aquatic environment.

Safety Phrase: S25 Avoid contact with eyes. S26 If contact with eyes occurs, rinse immediately with water and contact a doctor or Poisons Information Centre. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

16. OTHER INFORMATION

Sources for data: Suppliers MSDS for component ingredients
The customer is advised to consult the product Technical Data Sheet for further information including advice on suitable equipment.

Disclaimer

This Material Safety Data Sheet should be used in conjunction with the Technical Data Sheet. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact AA Specialised Solutions. Our responsibility for products sold is subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation.