

## ULTRA METALLIC

### Material Safety Data Sheet (Part B)

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#### 1. Identification of the Material and Supplier

**Product Name:** ULTRA METALLIC Part B (Amine Hardener Component)

**Recommended Use:** Two-component epoxy coating (flooring applications).

**Supplier/Manufacturer:** Ultrakote Australia Pty Ltd

**Address:** 6 Giffard Street, Silverwater NSW 2128

**Telephone:** 1800 037 699

**Emergency Phone (24 hr):** +61 405 702 952 (AU) or Poisons Information Centre 13 11 26 (Australia-wide)

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#### 2. Composition/Information on Ingredients

Components	CAS Number	Concentration (Weight)
IPDA	2855-13-2	30% - 50%
Salicylic Acid	69-72-7	1% - 5%
Benzyl Alcohol	100-51-6	10% - 30%
Dodecyl-Phenol	27183-86-8	10% - 20%
Epoxy Resin	--	1% - 5%
Others	--	1% - 10%

**Chemical Family:** Cycloaliphatic Amine

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#### 3. Hazards Identification

##### Emergency Overview

- Toxic by inhalation

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- **Corrosive**
- **Severe eye, skin, and respiratory irritant**
- **May cause sensitization by skin contact**
- **Potential nervous system effects**

## Potential Health Effects

- **Inhalation:** May cause lung injury, respiratory failure, and irritation.
- **Eye Contact:** Can cause burns, blindness, and severe irritation.
- **Skin Contact:** Causes burns and may affect the central nervous system.
- **Ingestion:** May cause burns in the digestive system, central nervous effects, and respiratory failure.
- **Chronic Exposure:** Prolonged contact may cause chemical burns, sensitization, asthma, and eczema.

## Target Organs:

- Respiratory system
- Skin
- Eyes
- Central nervous system

## Symptoms:

- Sore throat, headaches, nausea, dizziness, breathing difficulties.

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## 4. First Aid Measures

Exposure Type	First Aid Measures
Eye Contact	Hold eyelids apart and irrigate continuously for at least 1 hour. Seek medical attention immediately.

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## Exposure Type

### First Aid Measures

#### Skin Contact

Remove contaminated clothing and wash affected area for at least 1 hour. Apply a sterile dressing.

#### Ingestion

Do not induce vomiting. Seek medical attention immediately.

#### Inhalation

Move to fresh air, give assisted respiration if needed. Call for medical help.

**Note to Physicians:** Corticosteroid creams may be effective in treating skin irritation.

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## 5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Alcohol-resistant foam, CO<sub>2</sub>, dry chemical, dry sand, limestone powder.
  - **Hazards:** May generate ammonia gas and toxic nitrogen oxide gases.
  - **Protective Equipment for Firefighters:** Self-contained breathing apparatus and full protective gear.
  - **Precautions:** Do not allow runoff into drains or water courses.
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## 6. Accidental Release Measures

- **Personal Precautions:** Use self-contained breathing apparatus and chemically protective clothing. Evacuate area.
  - **Environmental Precautions:** Prevent spill from spreading using dikes.
  - **Clean-Up Methods:** Use chemical waste containers and ventilate the area.
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## 7. Handling and Storage

- **Handling:**
  - Avoid skin and eye contact.
  - Use in well-ventilated areas.

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- Do not eat, drink, or smoke while using.
  - **Storage:**
    - Store in steel containers.
    - Keep in a dry, cool, and ventilated place.
    - Do not store near acids or reactive metals.
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## 8. Exposure Controls/Personal Protection

- **Engineering Controls:** Ensure adequate ventilation, eye wash stations, and safety showers.
  - **Personal Protective Equipment (PPE):**
    - **Respiratory Protection:** Use appropriate respirators.
    - **Hand Protection:** Neoprene, butyl rubber, nitrile rubber gloves.
    - **Eye Protection:** Full face shield and chemical-resistant goggles.
    - **Skin Protection:** Impervious clothing, rubber suit, boots, long sleeve shirts.
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## 9. Physical and Chemical Properties

Property	Value
Form	Liquid
Colour	Colourless
Odor	Ammoniacal
Relative Density	1.03 (water = 1)
pH	9
Boiling Point	205°C
Flash Point	96°C

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Property	Value
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Water Solubility	<0.1 g/l
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## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
  - **Incompatible Materials:** Reactive metals, sodium hypochlorite, acids, oxidizing agents.
  - **Hazardous Decomposition Products:** Ammonia, nitrogen oxides, carbon monoxide, aldehydes.
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## 11. Toxicological Information

- **Ingestion (LD50):** 2,300 mg/kg (Rat)
  - **Inhalation (LC50 - Benzyl Alcohol):** >4.178 mg/l (Rat)
  - **Skin (LD50 - Benzyl Alcohol):** >2,800 mg/kg (Rabbit)
  - **Eye and Skin Irritation:** Severe
  - **Chronic Effects:** CNS depression, histopathological changes in brain, thymus, muscles.
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## 12. Ecological Information

- **Aquatic Toxicity:**
    - Benzyl Alcohol LC50 (96h): 10 mg/l (Bluegill Sunfish)
    - Benzyl Alcohol IC50 (72h): 700 mg/l (Algae)
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## 13. Disposal Considerations

- **Waste Disposal:** Dispose of as per local regulations.
- **Contaminated Packaging:** Dispose of container properly.

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## 14. Transport Information

Regulatory Body	Proper Shipping Name	Class	UN Number	Packing Group
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CFR	ULTRA METALLIC Part B 8		UN2735	II
IATA	ULTRA METALLIC Part B 8		UN2735	II
IMDG	ULTRA METALLIC Part B 8		UN2735	II

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## 15. Regulatory Information

- **Included in major chemical inventories worldwide.**
  - **EPA SARA Title III:** Acute Health Hazard.
  - **WHMIS Classification:** Toxic, Corrosive.
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## 16. Additional Information

- **HMIS Rating:** Health: 3 | Flammability: 1 | Physical Hazard: 0
  - **MSDS Updated Date:** Jan. 12, 2020
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For additional information, visit: [www.epoxywarehouse.com.au](http://www.epoxywarehouse.com.au)