

## Waterborne Dipping Enamel

### SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Waterborne Dipping Enamel
Manufacturing Product Code:	Various (Depending on colour)
Recommended Uses:	For dipping application of metal
Supplier:	Omega International Coatings P/L
Street Address	111, Kurrajong Ave, Mount Druitt, NSW, 2770
Telephone Number:	(02) 9832 0000
Fax:	(02) 9677 0566
Emergency phone:	<b>Poison Information Center:</b> 13 11 26

### SECTION 2- HAZARDS IDENTIFICATION

#### **Health Hazard Classification**

This product is classified as hazardous under SafeWork Australia criteria.

#### **Hazard Category**

Xi: Irritant

#### **Risk Phrases**

R20/21/22: Irritating to eyes and skin

### SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%w/w)
Tap Water	N/A	30-60%
Epoxy Ester Polymers	N/A	10-30%
Acrylic Polymers	N/A	10-30%
2-Butoxyethanol	111-76-2	10-30%
Paint Additives	N/A	《10%
Aqueous Ammonia	1336-21-6	<1%

### SECTION 4- FIRST AID MEASURES

#### **Ingestion**

If swallowed, do not induce vomiting. Seek immediate medical attention.

#### **Eye contact**

Immediately flush eyes with large amount of water for at least 15 minutes. Seek immediate medical attention.

**Skin contact**

Remove contaminated clothes. Wash skin with plenty of water.

**Inhalation**

Move person to fresh air. If effects occur, consult a physician.

**First aid facilities**

Water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Medical attention**

Treat symptomatically.

**SECTION 5- FIRE FIGHTING MEASURES****Suitable extinguishing equipment**

Normal extinguishing media including fine water spray, normal foam and dry agent.

**Hazards arising from combustion of product**

Combustible material. Combustion products may include and are not limited to oxides of carbon and nitrogen.

**Special protective equipment and precautions for fire fighters**

Wear full protective clothing and self-contained breathing apparatus. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**SECTION 6- ACCIDENTAL RELEASE MEASURES****Minor spill**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Major spill**

Slippery when spilt. Clean up immediately. Wash area down with excess water. Do not allow into drains or watercourses. Dispose of in chemical waste disposal area in accordance with relevant State and Federal regulations.

**Hazchem Code: NIL**

**SECTION 7- HANDLING AND STORAGE****Precaution for safe handling**

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**Conditions for safe storage**

Keep only in the original container in a cool, well ventilated place. Keep away from direct sunlight. Keep out of reach of children. Store away from foodstuffs, oxidizing agents and source of heat or ignition.

**SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Entity	Cas No	Weight%	TWA <sup>1</sup> (ppm)	STEL <sup>2</sup> (ppm)
2-Butoxyethanol	111-76-2	10-30%	50	N/A
Aqueous Ammonia	1336-21-6	<1%	50	35

<sup>1</sup> Time weighted average concentration

<sup>2</sup> Short-term exposure limit

**Engineering controls**

Use in well ventilated areas. Vapor heavier than air, prevent concentration in hollows or sumps. Do not enter confined spaces where vapor may have collected. Keep containers closed when not in use.

**Personal protective equipment**

Avoid contact with eyes and skin. Wear rubber gloves and eye protection while handling the product. Wash hands after use.

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical value
Appearance	-	Colour Liquid
Odour	-	Mild ester aroma
Boiling Point	°C	>100
Flash Point	°C	N/A
Density @ 25°C	g/ml	1.00 (depending on color)
Flammability Limits	%(v/v)	N/A
Volatile content	%(w/w)	>65
Solubility in water	-	Miscible

**SECTION 10- STABILITY AND REACTIVITY****Chemical stability**

Stable under normal conditions of use

**Conditions to avoid**

Excessive heat, elevated temperatures, open flame. Avoid contact with foodstuffs.

**Incompatible materials**

Avoid contact with oxidizing agents.

**Hazardous decomposition products**

Oxides of carbon and oxides of nitrogen.

**Hazardous reactions**

Will not occur

**SECTION 11- TOXICOLOGICAL INFORMATION****Acute effects*****Ingestion***

May cause gastrointestinal tract irritation with nausea, vomiting, diarrhea

***Eye Contact***

May cause eye irritation..

***Skin Contact***

Prolonged skin contact is likely to result in irritation.

***Inhalation***

Vapor may cause irritation of the upper respiratory tract.

**Chronic effects**

Prolonged and repeated contact with the skin may irritate.

**Toxicology information**

Chemical Entity	Weight %	Oral LD <sub>50</sub> mg/kg	Dermal LD <sub>50</sub> mg/kg	LC <sub>50</sub> Inhalation mgL <sup>-1</sup> /4 hr
2-Butoxyethanol	10-30%	>470	>220	>450
Aqueous Ammonia	<1%	>350	N/A	N/A

**SECTION 12- ECOLOGICAL INFORMATION**

No data available. Avoid contaminating waterways.

**SECTION 13- DISPOSAL CONSIDERATIONS**

Do not empty into drains. Dispose of paint containers according to local statutory regulations.

**SECTION 14- TRANSPORT INFORMATION**

Not regulated.

**SECTION 15-REGULATORY INFORMATION**

Poisons Schedule      Not Scheduled

AICS (Australia)      All components are listed on AICS.

**SECTION 16- OTHER INFORMATION**

**Contact** Apco Coatings  
**Person/Point** Technical Manager  
Ph 02 98 32 0000 Mob 0422237710

**Other Information** Principal toxic properties of this product are due to the solvent composition and vapour inhalation hazards.  
Abbreviations: N/A - Not Applicable N/AV - Not Available

**Abbreviations:**

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail

CAS Number: Chemical Abstracts Number