



## **Solvent Based Dipping Enamel**

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

Product Name:	Solvent Based Dipping Enamel
Manufacturing Product Code:	Various (depending on colours)
Recommended Uses:	For metal and iron coatings
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**

F: Flammable; Xn: Harmful; Xi: Irritant

#### **Risk Phrases**

R20/21/22: Harmful by inhalation, in contact with skin or swallowed

R36/37/38: Irritating to eyes, respiratory system and skin

R41: Risk of serious damage to eyes

R51/52: Toxic and harmful to aquatic organisms.

R53: May cause long-term adverse effects in the aquatic environment

R65: Harmful: May cause lung damage if swallowed

R66: Repeated exposure may cause skin dryness or cracking

R67: Vapors may cause drowsiness and dizziness

#### **Safety Phrases**

S16: Keep away from sources of ignition

S57: Use appropriate container to avoid environmental contamination

S60: This material and its container must be disposed of as hazardous waste.

**SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS**

<b>Chemical Entity</b>	<b>CAS No.</b>	<b>Proportion (%w/w)</b>
<b>Xylene</b>	133020-7	10-30%
<b>n-Butyl Acetate</b>	123-86-4	10-30%
<b>Aromatic Hydrocarbon Mixture</b>	64742-95-6	1-10%
<b>Isobutanol</b>	78-83-1	1-10%
<b>Methoxy Propyl Acetate</b>	108-65-6	1-10%
<b>Lighting Kerosene</b>	8008-20-6	1-10%
<b>n- Butyl Alcohol</b>	71-36-3	1-10%
Ingredients determined to be non-hazardous or below the hazardous threshold		TO 100%

**SECTION 4- FIRST AID MEASURES****Ingestion**

If swallowed, do not induce vomiting. Give 250 ml water to rinse out mouth and drink. 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**

Flush thoroughly with soap and water. Immediately remove contaminated clothing including footwear. Seek medical attention in event of persisting skin irritations.

**Inhalation**

Remove victim from exposure to fresh air. Keep at rest. If breathing is difficult, administer artificial respiration. Seek immediate medical attention

**First aid facilities**

Provide eye baths and safety showers.

**Medical attention**

Treat symptomatically.

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

Foam, Dry Powder, CO<sub>2</sub>, Water Fog. Do not use water except as fog to cool nearby containers.

**Hazards arising from combustion of product**

Oxides of Carbon.

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

Wear breathing apparatus when fighting fire.

**Hazchem Code: 3[Y]E**

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

Extinguish naked flames. And avoid sparks. Absorb with sand, sawdust or earth. Collect in drums, and arrange for disposal by a competent contractor, in accordance with local regulations.

**Major spill**

Extinguish naked flames and avoid sparks. Wear appropriate protective clothing and equipment. Evacuate surrounding personal. Dike area of spill, and transfer to empty drums. Residue to be absorbed with sand, sawdust or earth, and placed in drums. Arrange disposal by competent contractor, in accordance with local regulations.

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

This product is flammable. Avoid sources of heat, naked flames and sparks. Use in well ventilated area. Use flame proof equipment. No smoking. Earth all containers to reduce the possibility of sparks from static electricity.

**Conditions for safe storage**

Store in a cool, well-ventilated area and place away from heat, naked flames and sparks. Store away from oxidizing agents, alkaline materials and strong acids. Keep container closed at all times. Keep away from food, and drink and clothing.

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

<b>Chemical Entity</b>	<b>Cas No</b>	<b>Weight%</b>	<b>TWA<sup>1</sup> (ppm)</b>	<b>STEL<sup>2</sup> (ppm)</b>
<b>Xylene</b>	1330-20-7	10-30%	50	150
<b>n-Butyl Acetate</b>	123-86-4	10-30%	150	200
<b>Aromatic Hydrocarbon Mixture</b>	64742-95-6	1-10%	19	
<b>Isobutanol</b>	78-83-1	1-10%	50	
<b>Methoxy Propyl Acetate</b>	108-65-6	1-10%	100	
<b>Lighting Kerosene</b>	8008-20-6	1-10%	Not Specified	
<b>n- Butyl Alcohol</b>	71-36-3	1-10%	50	

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

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

**Engineering controls**

General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below TWA. Ventilation equipment should be explosion proof.

**Personal protective equipment**

Wear chemical safety glasses/goggles or face shield. Wear half face respirator, with organic vapor cartridge. Wear PVC or Nitrile chemical handling gloves.

**SECTION9- PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical value
Appearance	-	Coloured Liquid
Odour	-	Solvent Odour
Boiling Point	°C	118
Flash Point	°C	20
Density @ 25°C	g/ml	1.20-1.30 (depending on colour)
Flammability Limits	%(v/v)	1-8
Volatile content	%(w/w)	42.1
Solubility in water	-	Low

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

Stable at room temperature and pressure.

**Conditions to avoid**

Source of heat and ignition, open flames.

**Incompatible materials**

Not specified.

**Hazardous decomposition products**

Carbon oxides and other organic complexes on incomplete burning or oxidation.

**Hazardous reactions**

Oxidizing agents, mineral acids, halogenated organic compounds and peroxides.

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

Slightly toxic. Main hazard of ingestion is aspiration of swallowed liquid into lungs, causing chemical pneumonitis.

***Eye Contact***

Irritating, causing redness and burning sensation.

***Skin Contact***

Irritating, causing redness and burning sensation.

**Inhalation**

Harmful by inhalation. The vapour is irritating to the upper respiratory tract. May cause nausea, dizziness and narcosis. Extreme exposure may result in unconsciousness, and possibly death.

**Chronic effects**

Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, blood forming, cardiovascular and reproductive systems.

**Toxicology information**

Chemical Entity	Weight %	Oral LD <sub>50</sub> (Rat) mg/kg	Dermal LD <sub>50</sub> (Rat or rabbit) mg/kg	LC <sub>50</sub> Inhalation (Rat) mgL <sup>-1</sup> /4 hr
Xylene	10-30%	>2000	>2000	>5
n-Butyl Acetate	10-30%	6500	>2000	
Aromatic Hydrocarbon Mixture	1-10%	>2000	>2000	
Isobutanol	1-10%	2460	4240	8000
Methoxy Propyl Acetate	1-10%	>5155	>2000	>37500
Lighting Kerosene	1-10%	>2000	>2000	>5
n- Butyl Alcohol	1-10%	>4200	>2000	>8000

**SECTION 12- ECOLOGICAL INFORMATION**

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**SECTION 13- DISPOSAL CONSIDERATIONS**

Do not let this product enter the environment. Dispose of this material and its container as hazardous waste. Do not pour unwanted paint or paint-related material down the drain. Keep unwanted material in sealed containers for disposal via special chemical waste collections. Empty paint containers should be left open in a well-ventilated area to dry out. When dry recycle steel containers via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities check with your local council first.

**SECTION 14- TRANSPORT INFORMATION**

For local transportation within New Zealand refer NZS 5433:1999: For Australia refers ADG code.

<b>UN No.</b>	1263
<b>Proper Shipping Name</b>	Paint
<b>DG Class</b>	3
<b>Subsidiary Risk</b>	Not Applicable
<b>Packing Group</b>	II
<b>Hazchem Code</b>	3[Y] E

**SECTION 15-REGULATORY INFORMATION**

HMIS Code: 230H

**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