

## **MATERIAL SAFETY DATA SHEET**

### **APM One Pack Epoxy Primer**

Safety Data Sheet dated 16.01.2025

## **SECTION 1. PRODUCT IDENTIFICATION**

TRADE NAME : **APM One Pack Epoxy Primer**

PRODUCT TYPE : **Liquid Product**

MANUFACTURER & SUPPLIER : **Asia Paint (Singapore) Pte Ltd**  
**20, Tuas Avenue 8**  
**Singapore 639235**

## **SECTION 2. HAZARDOUS INGREDIENT INFORMATION**

ITEM	CAS NO.	EINECS/ELINCS
n-butanol	71-36-3	200-751-6
Ethanol	64-17-5	200-578-6
Isopropanol	67-63-0	200-661-7
Toluene	108-88-3	203-625-9
Phosphoric acid	7664-38-2	231-633-2
Zinc Potassium Chromate	13530-65-9	NA

## **SECTION 3. HAZARDS IDENTIFICATION**

Appearance: Coloured liquid; Flash point: 4 deg C.

WARNING! The product easily catches fire it is exposed to an ignition source.

Target organs: Skin, eyes, respiratory system, central nervous system.

Skin: The product causes appreciable inflammation, with erythema, scabs, and oedema.

Eyes: Moderately irritating to eyes.

Respiratory system: Slightly irritating to respiratory system.

Central nervous system: Cause drowsiness and dizziness if inhaled.



## **SECTION 4. FIRST AID**

SKIN	: Wash off in flowing water or shower.
EYES	: Flush eyes with plenty of water.
INHALATION	: No adverse effects anticipated by this route of exposure.
INGESTION	: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
NOTE TO PHYSICIAN	: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

## **SECTION 5. FIRE & EXPLOSION HAZARD DATA**

### **FIRE-FIGHTING MEASURES :**

### **RECOMMENDED EXTINGUISHERS :**

Foam, water spray or fog.

### **EXTINGUISHERS NOT TO BE USED :**

Never use water in jet.

### **RISKS ARISING FROM COMBUSTION :**

Avoid inhaling the fumes.

### **PROTECTIVE EQUIPMENT :**

Use protection for the respiratory tract.  
Cool the containers exposed to the fire with water.  
NFPA rating: Health: 2; Flammability: 3; Instability: 0.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **MEASURES FOR PERSONAL SAFETY :**

Use gloves and protective clothing.

### **ENVIRONMENTAL MEASURES :**

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

### **CLEANING METHODS :**

Rapidly recover the product. To do so, wear a mask and protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert materials.

After the product has been recovered, rinse the area and materials involved with water.

## **SECTION 7. HANDLING AND STORAGE**

### **HANDLING PRECAUTIONS :**

Avoid contact and inhalation of the vapours. See, Paragraph 7 below.

Do not eat or drink while working.

### **STORAGE CONDITIONS :**

Keep away from unguarded flame, sparks and heat sources. Avoid direct exposure to sunlight.

Keep away from flame and sparks. Avoid accumulating electrostatic charge.

### **INSTRUCTIONS AS REGARDS STORAGE PREMISES :**

Cool and adequately ventilated.

Safety electric system.



## **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Exposure Limits:**

Chemical name	Source	Type	Amount
n-butanol	NIOSH	CEIL	153 mg/m <sup>3</sup>
Ethanol	OSHA	PEL	1900 mg/m <sup>3</sup>
Isopropanol	ACGIH	TWA	200 ppm
Toluene	ACGIH	TWA	50 ppm
Phosphoric acid	ACGIH	TWA	1 mg/m <sup>3</sup>
Zinc Potassium Chromate	NA	NA	NA

### **PRECAUTIONARY MEASURES :**

Give adequate ventilation to the premises where the product is stored and/or handled.

### **RESPIRATORY PROTECTION :**

Use adequate protective respiratory equipment.

### **PROTECTION FOR HANDS :**

Use protective gloves.

### **EYE PROTECTION :**

Not needed for normal use.

### **PROTECTION FOR SKIN :**

Use clothing that provides comprehensive protection to the skin.

## **SECTION 9. TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

Appearance & Colour	: <b>Coloured Liquid</b>
Odour of solvent	: <b>Characteristic aromatic</b>
Specific Gravity(@15°C)	: <b>1.00</b>
Flash point	: <b>4 ° C</b>
Explosive properties	: <b>None</b>
Oxidising properties	: <b>None</b>
Solubility in water	: <b>None</b>

## **SECTION 10. STABILITY REACTIVITY**

### **CONDITION TO AVOID :**

Avoid accumulating electrostatic charge.

### **SUBSTANCE TO AVOID :**

Avoid contact with combustible materials. The product could catch fire.

## **SECTION 11. TOXICOLOGY INFORMATION**

	n-butanol	Ethanol	Isopropanol	Toluene	Phosphoric acid	Zinc Potassium Chromate
LD50 oral, rat (mg/kg)	790	7060	4570	636	1530	NA
LD50 dermal, rabbit(ml/kg)	24	38	30	14100	2740	NA

## **SECTION 12. ECOLOGICAL INFORMATION**

Adopt sound working practices, so that the product is not released into the environment.

## **SECTION 13. DISPOSAL CONSIDERATION**

Send to authorised disposal plants or for incineration under controlled conditions. In doing so, comply with the local and national regulations currently in force.

## **SECTION 14. TRANSPORT INFORMATION**

DOT Classification: CLASS 3: Flammable liquid.  
Identification: Not classified; UN 1263 Group: II  
Special Provisions for Transport: Not available.

## **SECTION 15. REGULATORY INFORMATION**

<b>Classification and Labeling</b> Classification/Symbol: Harmful Flammable/F	<b>Governing Directive:</b> Dangerous substances directive 67/548/EC. <b>Label Name:</b> APM One Pack Epoxy Primer
<b>Nature of Special Risk:</b> R11: Highly flammable. R23/24/25: Toxic by inhalation, skin contact, swallows. R39: Danger of very serious irreversible effect.	<b>Safety Advice:</b> S07/09: Keep container closed & well-ventilated. S16: Keep away from life – No Smoking. S33: Take precautionary measures against static discharges. S43B: In case of fire, use sand, earth, chemical powder or alcohol type foam. S45: In case of accident, seek for chemical immediately.

## **SECTION 16. OTHER INFORMATION**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of Asia Paint (S) Pte Ltd Company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.