

## Roadmarking Track Coat Primer

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

Product Name: Roadmarking Track Coat Primer  
Manufacturing Product Code: Z4730  
Recommended Uses: Adhesion promoter for thermoplastic linemarking paint  
Supplier: Asian Paints (Queensland) Pty Ltd  
Street Address: 111, Kurrajong Ave, Mount Druitt, NSW, 2770  
Telephone Number: (02) 9832 0000  
Fax: (02) 9677 0566  
Emergency phone: **Poison Information Center: 13 11 26**

### SECTION 2- HAZARDS IDENTIFICATION

#### **Health Hazard Classification**

This product is classified as hazardous under Safe Work Australia criteria.

#### **Hazard Category**

F: Flammable; Xn: Harmful; Xi: Irritant

#### **Risk Phrases**

R11: Highly flammable  
R20: Harmful by inhalation

#### **Safety Phrases**

S16: Keep away from sources of ignition  
S25: Avoid contact with eyes  
S29: Do not empty into drains  
S33: Take precautionary measures against static discharge

### SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%w/w)
Toluene	108-88-3	30-60%
Hydrocarbon Polymer	N/A	10-30 %
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. Lean victim forward to reduce the risk of aspiration. Never give drink to unconscious person. Seek medical advice. For further advice call Poisons Information Centre.

**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**

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**

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray or fog.

**Hazard produced**

Carbon oxides

**Special Remarks on Explosion Hazards**

Toluene forms explosive reaction with 1, 3-dichloro-5, 5-dimethyl-2, 4 imidazolidione; dinitrogen tetraoxide; concentrated nitric acid, sulfuric acid + nitric acid; N<sub>2</sub>O<sub>4</sub>; AgClO<sub>4</sub>; BrF<sub>3</sub>; Uranium hexafluoride; sulfur dichloride. Also forms an explosive mixture with tetranitromethane.

**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**

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Major spill**

Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

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

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

**Conditions for safe storage**

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

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

Chemical Entity	Cas No	Weight%	TWA <sup>1</sup> (ppm)	STEL <sup>2</sup> (ppm)
Toluene	108-88-3	>99%	50	100

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

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

**Engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal protective equipment**

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical value
Appearance	-	Clear Yellowish Liquid
Odour	-	Sweet, pungent, Benzene-like odour
Vapor pressure	kPa	3.8
Boiling Point	°C	110.6
Flash Point	°C	16
Density @ 25°C	g/ml	0.90-0.95
Flammability Limits	%(v/v)	1.1-7.1
Volatile content	%(w/w)	Approx. 60
Solubility in water	-	Insoluble

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

Stable at room temperature and pressure.

**Conditions to avoid**

Heat, ignition sources (flames, sparks, static), incompatible materials.

**Incompatible materials**

Oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

**Special Remarks on Reactivity**

Incompatible with strong oxidizers, silver perchlorate, sodium difluoride, Tetranitromethane, Uranium Hexafluoride. Frozen Bromine Trifluoride reacts violently with Toluene at -80 deg. C. Reacts chemically with nitrogen oxides, or halogens to form nitrotoluene, nitrobenzene, and nitrophenol and halogenated products, respectively.

**Polymerization**

Will not occur.

**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.

**Chronic effects**

Will cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

**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
Toluene	<20%	>7000	>2000	>5

**SECTION 12- ECOLOGICAL INFORMATION**

Harmful to aquatic organisms, will 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. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**SECTION 14- TRANSPORT INFORMATION**

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

UN No.	1263
Proper Shipping Name	Paint Related Material
DG Class	3
Subsidiary Risk	Not Applicable
Packing Group	II
Hazchem Code	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