



TARA PAINTS & CHEMICALS

A/423/14, MAHAGUJARAT INDUSTRIAL ESTATE, SARKHEJ-BAVLA ROAD, B/H.
SARVOTTAM HOTEL LANE, VILLAGE-MORAIYA, AHMEDABAD - 382210

Tel: (F): 02717 320003. Mobile : 9327455880/82/85
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Two pack Polyurethane - MSDS

SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product Name: Two Pack Polyurethane Paints with iso-cynate hardener
1.2 Manufacturers product code: various
1.3 Uses: Industrial Paint (Spraying)
1.4 Tara Paints And Chemicals
A/423/14, Mahagujarat Ind. Estate,
Sarkhej-Bavla Road,
NH.No.8A, Moraiya,
Ahmedabad- 382210
Emergency Telephone: 02717-320003

SECTION 2- COMPOSITION/ INFORMATION ON INGREDIENTS

2.1 Ingredients

Chemical Entity	Cas no	Weight	Hazard Symbols	EU Risk Phrases
Xylene	133020-7	10-30%	Xn, Xi	R20/21,R38
n-Butyl Acetate	123-86-4	10-30%		
Aromatic Hydrocarbon Mixture	64742-95-6	1-10%	Xn, Xi	R66,R67,R51/53
Methoxy Propyl Acetate	108-65-6	1-10%	Xi	R36

Ingredients determined to be non hazardous TO 100%
Or Below the hazardous threshold

Section 3- HAZARDS IDENTIFICATION

R20/21

- 3.1 Hazardous substance dangerous goods
3.2 Risk Phrases R20/21 Harmful by inhalation in contact with skin.
3.3 Safety Phrases S16 Keep away from sources of ignition No Smoking.
S57 Use appropriate container to avoid environmental Contamination.

This material and/or its container must be disposed of as S60 Hazardous waste.

SECTION4- FIRST AID MEASURES

4.1 First Aid

Swallowed: Do not induce vomiting give 250 ml water to drink. Seek immediate medical attention.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Seek medical attention.

Skin Contact: Wash thoroughly with soap and water. If irritation still present, seek medical attention.

Inhaled: Remove to fresh air, rest. If breathing is difficult, give artificial respiration.

4.2 Advice to Doctor

Treat symptomatically.

SECTION 5- FIRE FIGHTING MEASURES

5.1 Fire/Explosion Hazard

Flammable liquid. Vapours form explosive mixture with air (see limits in section 9)

extinguishing Media: Foam, Dry Powder, CO2, Water Fog. Do not use water except as fog to cool nearby containers. Wear breathing apparatus when fighting fire. Decomposition Products: Oxides of Carbon, and possibly other noxious products.

5.2 Hazchem Code 3[Y]E

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SECTION 6- ACCIDENTAL RELEASE MEASURES

6.1 Spills

Minor- 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-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

7.1

Avoid sources of heat, naked flames and sparks. Use in well ventilated area. Use flame proof equipment. Earth all containers to reduce the possibility of sparks from static electricity. Store in a cool, well ventilated 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

8.1 Exposure Standards

Chemical Entity	Cas No	Weight%	TLV/Twa	Stel
XYENE		1330-20-7	10-30%	50pm
N-BUTYL ACETATE	123-86-4	10-30%	150 PPM	200PPM
AROMATIC HYDROCARBON MIXTURE		64742-95-6	1-10%	19PPM
ISO-BUTYL ALCOHOL	78-83-1	1-10%	50PPM	
METHOXY PROPYL ACETATE		108-65-6	1-10%	100PPM

8.2 ENGINEERING CONTROLS

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

8.3 PERSONAL PROTECTION

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

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL DESCRIPTION/PROPERTIES

Appearance Coloured Liquid, Solvent Odour.
Boiling Point 118 deg C
Specific Gravity 1.23
Flash Point 20 deg C
Flammability Limits 1-8% by volume in air
Volatile content 42.1% by weight
Solubility in water Low

SECTION 10- STABILITY AND REACTIVITY

10.1

Normally stable.

SECTION 11- TOXICOLOGICAL INFORMATION

11.1 HEALTH EFFECTS

Swallowed

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.

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Inhaled 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 or Other 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. See section 3.2 for other chronic health risks.

11.2 TOXICITY OF INGREDIENTS

Chemical Entity	Weight %	LD50 Oral Rat mg/kg	LD Dermal Rat or Rabbit mg/kg	LC50 Inhalation Rat Mg/L4hr
XYLENE	10-30%	>2000	>2000	>5
N-BUTYL ACETATE	10-30%	6500	>2000	
AROMATIC HYDROCARBON MIXTURE	1-10%	>2000	>2000	
ISO-BUTYL ALCOHOL	1-10%	2460	4240	8000
METHOXY PROPYL ACETATE	1-10%	>5155	>2000	>37500

SECTION 12- ECOLOGICAL INFORMATION

12.1 NOHAC Risk Phrases R52/53

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

SECTION 13- DISPOSAL CONSIDERATIONS

13.1

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

14.1

Packing Group: 11 Hazchem Code: 3[Y] E

SECTION 15-REGULATORY INFORMATION

15.1 SUSDP SCHEDULE Not Applicable

15.2 HMIS CODE 230H

SECTION 16- OTHER INFORMATION

16.1

When sanding any, paint use wet sanding to avoid breathing dust. Wear a dust respirator if wet sanding not possible. Refer to the Technical Data Sheet for this product for directions for use.

16.2

Packaging and Signal Words HAZARDOUS

Labelling Cautionary Statements:

Flammability: Highly Flammable

Hazard Symbols: Xn

R&S Phrases: Refer to Section 3

Labeled Ingredients: Xylene 15-20%

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