



SAFETY DATA SHEET

Polyurethane Paints

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Polyurethane Paints

PRODUCT NO. Polyurethane Paints

SYNONYMS, TRADE NAMES Polyurethane Paints
SAKCHI BOULEVARD
P.O – TATANAGAR
JAMSHEDPUR – 831002, INDIA
PHONE – 00916572433547
FAX - 00916572434039

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification
Polyurethane Paints	-	-	84 – 94%	-

3 HAZARDS IDENTIFICATION

RISK PHRASES

R10 Flammable.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, 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 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S24 Avoid contact with skin.
S37 Wear suitable gloves.
S51 Use only in well-ventilated areas.
S57 Use appropriate containment to avoid environmental contamination.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S62 If swallowed, do not induce vomiting; seek medical advice

The above phrases are the risks associated with the product

ENVIRONMENT

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Dispose of waste and residues in accordance with local authority requirements. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

DG CLASS

Class 3 Flammable liquids.

PACKING GROUP

III

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYE CONTACT

TATA PIGMENTS LIMITED

Tel 91 657 2433547, 2439857 Fax 91 657 2434039
Registered Office- Sakchi Boulevard, Jamshedpur 831 001 India
www.tatapigments.co.in



Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

SUITABLE FIRE EXTINGUISHING MEDIA

Alcohol-resistant foam, Carbon dioxide, or dry chemical type

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Combustion products may include and are not limited to: Carbon monoxide and Carbon dioxide.

SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS

- ❖ Wear full protective clothing and NIOSH-approved self-contained breathing apparatus.
- ❖ Use water spray to cool fire-exposed surfaces and to protect personnel. If a leak or spill has not ignited, use water spray to disperse the vapours.
- ❖ If possible, isolate product from heat, electrical equipments, sparks and open flames.
- ❖ Avoid spraying water directly into storage containers.
- ❖ Closed containers may explode when exposed to extreme heat.
- ❖ Avoid spreading burning liquid with water, isolate liquid.
- ❖ Do not allow run-off from fire fighting to enter drains or watercourses.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

- ❖ Wear appropriate protective equipment, e.g. respirators, eye protection, gloves and safety shoes.
- ❖ Avoid substance contact with eyes. Do not inhale vapours.
- ❖ Ensure supply of fresh air in enclosed rooms.

ENVIRONMENTAL PRECAUTIONS

- ❖ Eliminate sources of ignition.
- ❖ Keep public away.
- ❖ Contain spilled liquid with sand or other non-combustible absorbent materials
- ❖ Wash area and prevent runoff into drains and sewerage system.
- ❖ Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

METHODS AND MATERIALS FOR CONTAINMENTS AND CLEANING UP

- ❖ Clean up all spills immediately.
- ❖ Absorb spill with absorbent and inert material, then place in container.
- ❖ Disposal in accordance to local/national regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended

occupational exposure limit. Use respiratory equipment with combination filter, type A2/P3.

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

TATA PIGMENTS LIMITED

Tel 91 657 2433547, 2439857 Fax 91 657 2434039

Registered Office- Sakchi Boulevard, Jamshedpur 831 001 India

www.tatapigments.co.in



Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet.
Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
ODOUR	Characteristic
SOLUBILITY	Immiscible with water
BOILING POINT	(°C) 152 - 198 (305.6 - 372.2F)
RELATIVE DENSITY	0.920 @ 20 °C (68F)
FLASH POINT	(°C) 38 (100.4F) CC (Closed cup).
AUTO IGNITION TEMPERATURE	(°C) 230 (446F)
FLAMMABILITY LIMIT	LOWER(%) 0.90
FLAMMABILITY LIMIT	UPPER(%) 8.0

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions.
CONDITIONS TO AVOID
Avoid heat, flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION

INHALATION
Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
INGESTION
Harmful: may cause lung damage if swallowed. May cause stomach pain or vomiting.
SKIN CONTACT
May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation.
EYE CONTACT
Irritating to eyes.
Acute Oral toxicity
Harmful if swallowed.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
Recover and reclaim or recycle, if practical. Contact specialist disposal companies. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea.

15 REGULATORY INFORMATION

NATIONAL REGULATIONS AND REFERENCES
National Model Regulations for the Control of Workplace Hazardous Substances.
National Code of Practice for the Control of Workplace Hazardous Substances.

TATA PIGMENTS LIMITED

Tel 91 657 2433547, 2439857 Fax 91 657 2434039
Registered Office- Sakchi Boulevard, Jamshedpur 831 001 India
www.tatapigments.co.in



National Code of Practice for the Labelling of Workplace Substances.
National Code of Practice for the Preparation of Material Safety Data Sheets.
Approved Criteria for Classifying Hazardous Substances.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment.
Australian Dangerous Goods Code. The Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16 OTHER INFORMATION

GENERAL INFORMATION

See technical literature for details of suitable applications of this product.

DISCLAIMER

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 the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use

TATA PIGMENTS LIMITED

Tel 91 657 2433547, 2439857 Fax 91 657 2434039
Registered Office- Sakchi Boulevard, Jamshedpur 831 001 India
www.tatapigments.co.in