

Material Safety Data Sheet

1. Identification of the Substance / Mixture and of the Company

- 1.1 PRODUCT IDENTIFICATION
Deck PU 1K
- 1.2 PRODUCT USE
Waterproofing and protection of concrete
- 1.3 COMPANY IDENTIFICATION
Jaisons Engineering Technologies
Gat. No. 322/C, Plot No. 2
Vishwachaya Industrial Area
Pirangut, Pune – 412115
India
Tel: +91 20 2544 9985
E-mail: factory@jaisonsgroup.com
Web: constructions.jaisonsgroup.com
- 1.4 EMERGENCY TELEPHONE NUMBERS
During normal Pacific Standard Time (PST)
+91 20 2544 9985
All other times, and in times of unavailability, contact your local emergency services.

2. Hazards Identification

- 2.1 Mixture Classification according to the directive 1999/45
Contains Isocyanates Contains Diisocyanate-4,4' diphénylméthane
- Phrases R R42 : May cause sensitisation by inhalation
- Phrases S S2 : Keep out of the reach of children ;
S23 : Do not breath vapour;
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Other hazards May result in light irritation by contact skin and eye contact.
- 2.2 LABEL ELEMENTS: in Accordance with GHS (5th Edition)



3. Composition / Information on Ingredients

Names	Risk Phrases	CAS No.	Content %
polymer with 2,4-diisocyanato-1-methylbenzene	Eye Irrit. 2, H319; Skin Sens. 1, H317	37273-56-6	25% - 50%
Xylene	Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	1330-20-7	5% - 20%

4. First Aid Measures

4.1 DESCRIPTION OF FIRST AID MEASURES

General information	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 4-8 hours after the accident. Do not leave affected persons unattended. Personal protection for the First Aider. Take affected persons out of danger area and lay down
After inhalation	In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
After skin contact	Immediately wash with water and soap and rinse thoroughly. Seek medical treatment in case of complaints.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Protect unharmed eye.
After swallowing	If symptoms persist consult doctor

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

5. Firefighting Measures

5.1 EXTINGUISHING MEDIA

Suitable extinguishing agents CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Carbon monoxide (CO)
Hydrogen cyanide (HCN)
Nitrogen oxides (NO_x)
During heating or in case of fire poisonous gases are produced.

5.3 ADVICE FOR FIREFIGHTERS

Do not inhale explosion gases or combustion gases

Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental Release Measures

6.1 PERSONAL PROTECTIVE MEASURES

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.

6.2 ENVIRONMENT PROTECTION MEASURES

Inform respective authorities in case of seepage in to water course or sewage system.
Prevent from spreading (e.g. by damming-in or oil barriers).
Do not allow to enter sewers/ surface or ground water.

6.3 METHODS FOR CLEANING UP

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
The polyurethane can be neutralized by some water (or mix water + ethanol). Attention this reaction release some gas (CO₂).
Never store a container closed hermetically containing some water and the polyurethane.

7. Handling & Storage

7.1 PRECAUTIONS FOR SAFE HANDLING

Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

protection

7.2

STORAGE

Requirements to be met by storerooms and receptacles

Store only in the original receptacle.

Information about storage in one common storage facility

Store away from foodstuffs.

Further information about storage conditions

Protect from frost.
Store in dry conditions.
Keep container tightly sealed.
Recommended storage temperature: 10-30 °C

7.3

SPECIFIC END USE(S)

No further relevant information available.

8.

Exposure Control / Personal Protection

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection

When used properly and under normal conditions, breathing protection is not required.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands

Check protective gloves prior to each use for their proper condition.
Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Eye protection

Use tightly sealed protective goggles

9.

Physical & Chemical Properties

9.1

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Fluid

Odour

Ester like

pH

Not determined

Initial Boiling Point

Not determined

Flash Point

31 °C

Flammability

Not applicable

Auto-ignition Temperature	Product is not selfigniting
Explosive Properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible
Water Solubility	Not miscible or difficult to mix
Specific gravity	1.4
Solvent content (VOC)	14%

10. Stability & Reactivity

10.1 STABILITY

Stable under normal temperatures and pressures.

10.2 THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED

The product does not decompose if it is used according to the prescriptions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Reaction with : water ; alcohols; amines; release of carbonic gaz. In the closed bowls, the risk of explosion further to an overpressure.

10.4 CONDITIONS TO AVOID

No further relevant information available. Avoid any source of ignition, and a storage > 30°C

10.5 INCOMPATIBLE MATERIALS

Acids / bases and strong oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous decomposition products known.

11. Toxicological Information

No information is available for this product. The information below is based on profiles of compositionally similar materials.

Acute Oral Toxicity : LD50 rat > 5,000 mg/kg

Acute Dermal Toxicity : LD50 Rabbit > 5,000 mg/kg

Skin Irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Causes serious eye irritation

Respiratory or skin sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction

CMR effects Based on available data, the classification criteria are not met.

12. Ecological Information

Ecotoxicological effects Harmful to fish

General notes Harmful to aquatic organisms Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground

13. Disposal Considerations

Waste treatment methods Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal according to official regulations.
Do not throw back to the sewer or in the natural environment
Deliver the waste to a company specialized in waste collection

Elimination of the soiled packagings Deliver the soiled packaging to a company specialized in waste collection

14. Transportation Information

Class Flammable liquids.

Label



15. Regulatory Information

Xn Harmful

Phrases R R42 : May cause sensitization by inhalation

Phrases S S2 : Keep out of the reach of children

S23 : Do not breath vapor

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other Information

The details of this data sheet must be passed on to all personnel handling the product.