



ShaliUrethane LHM

1K Polyurethane Based Moisture Cured Elastomeric Membrane



STP Limited

Material Safety Data Sheet

Identification of the substance/preparation and of the company/undertaking

Trade Name	ShaliUrethane LHM
Product Code	PU1KLWHM
Intended Use	Liquid applied waterproofing membrane.
Company Name	STP Limited 707,Chiranjiv Tower , 43 Nehru Place ,New Delhi 110019, India Phone : +91 11 46561359 Fax : +91 11 46561358
Emergency Information	Phone : +91 81302 98888 Fax : +91 11 46561358

[1] Composition / information on ingredients

Comp- A	Concentration, %	CAS No
Aromatic Isocyanate terminated prepolymer	30-50	NA
Diocetyl phthalate	30-10	117-81-7
Calcium Carbonate	30-50	1317-65-3
Pigments	1 – 5	Trade secrete
Additives	1 – 3	Trade secrete
Solvent C9	1-6	64742-95-6

The specific chemical identity and (or) exact percentage of component(s) have been withheld as trade secret

[2] Hazards Identification

Label Elements	  Danger
Inhalation	Harmful by inhalation. May cause irritation to the respiratory tract, with symptoms of Bronchitis.
Ingestion	May cause abdominal cramps, nausea, vomiting, diarrhea
Skin Contact	Slightly irritating
Eye Contact	Most likely to cause irritation



[3] First-aid Measures

Inhalation	Allow the victim to rest in a well-ventilated area. Seek a medical attention
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek a medical attention.
Skin Contact	In case of contact, take off all contaminated clothes immediately, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek a medical attention

[4] Fire-fighting Measures

Extinguishing Media	CO ₂ , Foam, extinguishing powder, in case of larger fires, water spray should be used.
Special Fire Fighting procedures	Fire fighter must wear self-contained breathing apparatus.
Unusual Fire & Explosion Hazards	High volume water jet burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. Firemen must wear self-contained breathing apparatus. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters

[5] Accidental Release Measures / Spills and Leaks

Steps to be taken in case material is released or spilled	Do not allow to escape into waterways, wastewater or soil.
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[6] Handling & Storage

Precautions for safe handling	Keep in tightly closed container in cool dry area from all sources of ignition
Other precautions	Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.



[7] Exposure Controls / Personal Protection

Engineering controls	Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use
Personal Protective Equipment	Protective Gloves, face protection, protective clothing.
Respiratory protection	Respiratory protection required in insufficiently ventilated working areas and during spraying
Glove type (AS2161)	Suitable materials for safety gloves; DIN EN 374-3:
Eye protection	Wear safety glasses, which comply with local standards
Clothing	Wear suitable Protective clothing
Others	Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals

[8] Ventilation

Local Exhaust	Ensure adequate ventilation to comply with OEL.
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[9] Physical & Chemical Properties (mixed system)

Appearance	Moderately viscous Black liquid
Odour	Aromatic odour
Auto ignition temperature	315 °C
Boiling Point at atmospheric pressure	70 °C
Specific Gravity	1.27 to 1.35
Vapour pressure (20°C)	980 Pa
Melting Point /Freezing point	-18 °C
Water Solubility	Immiscible
Flash Point °C	>34°C
Viscosity, dynamic (25°C)	1200-2500 cps



[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Temperatures below 0°C and above 45° C.
Incompatibility/Materials to avoid	Oxidizing agents, strong acids, alkalis, Halogens
Hazardous Decomposition Products	No hazardous decomposition products when stored and handled correctly.
Hazardous Polymerisation	Will not occur

[11] Toxicological Information

Acute Oral LD₅₀:	3523 to 8600 mg/kg	Species:	Rat		
Acute Dermal LD₅₀:	>43000 mg/kg.,	Species:	Rabbit		
Acute Inhalation LC₅₀:	6350-6670 ppm	Duration:	4 hr.	Species:	Rat
Skin/Eye Irritation:	Mild to moderate skin/eye irritant				
Additional Toxicity Information:	Note: LD ₅₀ /LC ₅₀ values reported above are for mixed xylene, which make up the predominant proportion of this mixture.				

[12] Ecological Information

Ecotoxicity:	<p>No data is available for this particular mixture.</p> <p>For the specific components: Xylene: LC₅₀ (goldfish) = 13-17 mg/L/96H; LC₅₀ (fathead minnow) = 42 mg/L/24 to 96H; LD₅₀(rainbow trout) = 13.5 mg/L/96H</p> <p>Chlorinated paraffins: Mussels, >60 days, 1.33 mg/L, no mortality, bio-concentration factor of 105-167 based on parent compound; rainbow trout, >60 days, NOEL, 4.2 mg/L, bio-concentration factor of 1.0-42.8 times on total material.</p> <p>No data is available for the remaining constituents of this mixture.</p>
Environmental Fate:	<p>No data is available for this particular mixture.</p> <p>For the specific components: Xylene in environmental media is subject to rapid evaporation. Hydrolysis is not significant in water under normal environmental conditions. Xylene is not expected to bioconcentrate, and is shown to readily degrade in standard biodegradation tests.</p> <p>No data is available for the remaining constituents of this mixture.</p>



[13] Disposal Consideration

Dispose in accordance with all local and governmental regulations

Unused Product : Dispose of through an authorized waste contractor to a licensed site.
Used/Contaminated Product : As for Unused product.
Packaging : May be steam cleaned and recycled.

[14] Transport Information

Transport of dangerous goods by land, sea, air

UN number	1263
Dangerous goods class	3
Subsidiary risk	30
Dangerous for the Environment	No
Shipping name	Environmentally Hazardous Substance
Packing group	III
Poisons schedule	S6
Hazchem code	3

[15] Regulatory Information (Risk & Safety Phrases)

Risk Phrase	R36/38
Safety Phrase	S23
Poisons Schedule	S6
Hazard Category	Irritant
Classification	3

[16] Other Health & Safety Information

Recommended uses and restrictions: If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

NOTE

The information contained in this Safety Data Sheet does not constitute the user's own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act, 1974; the Control of Substances Hazardous to Health Regulations, 1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

END OF MSDS

Revision Date: 30-June-2022