

ShaliUrethane PC

2K Polyurethane Protective Tough Coating



Material Safety Data Sheet

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

Trade Name	ShaliUrethane PC
Intended Use	An ideal protective coating.
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	%	CAS No
Castor oil based Binder	40 - 60 %	8001-79-4
Methyl Dipheny Diisocyanate	0 - 2 %	101-68-8
Calcium carbonate	20 - 30 %	1317-65-3
Pigments	03 - 05 %	Trade secrete
additives	10 - 15 %	Trade secrete
Comp - B		
Polymeric Diphenyl methane	>55	016-87-9
Methylene Diphenyl - diisocyanate	>45	101-68-8

[2] Hazards Identification

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	May 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	Viscous coloured liquid
Odour	Specific
Ignition temperature	: ca. 370 °C
Initial Boiling Point	: ca 313 °C
Specific Gravity	1.10 to 1.20 approx. at 20 °C DIN 53217
Vapour pressure(kPa at 20°C)	ca. 12 hPa at 20 °C
Melting Point /Freezing point	-18 °C
Water Solubility	Immiscible
Flash Point °C	>113 °C DIN 53213
n-butyl acetate upper	7,5 %(V) / lower: 1,2 %(V)
Viscosity, dynamic	2000- 2500 cps,23 °C DIN EN ISO 3219/A.3

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Temperatures below 0°C and above 50 ° C.
Incompatibility/Materials to avoid	Oxidising 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

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Oral LD50, rat >5g/kg

Health Effects

On Eyes	: May cause transient irritation.
On Skin	: Unlikely to cause harm on brief or occasional contact.
By Inhalation	: Low volatility makes inhalation unlikely at ambient temperatures.
By Ingestion	: Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.
Chronic	: None known

[12] Ecological Information

Environmental Assessment	: When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility	: Mobile liquid. Insoluble in water.
Persistence and Degradability	: Expected to be not readily biodegradable.
Bioaccumulative Potential	: Not expected to be bioaccumulative.
Ecotoxicity	: Expected to be ecotoxic to fish/daphnia/algae

[13] Disposal Consideration

Dispose in accordance with all local and governmental regulations	
Unused Product	: Dispose of through an authorised waste contractor to a licensed site.
Used/Contaminated Product	: As for Unused product.
Packaging	: May be steam cleaned and recycled.

[14] Transport Information

This product is NOT classified as dangerous for transport

UN number	1866
Dangerous goods class	3
Subsidiary risk	30
EPG card	None Allocated
Shipping name	ShaliUrethane PC
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 ,Dangerous for the environment
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 users 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.