ShaliProtek PuR 40

2K Brushable PolyUrea Coating

STP Limited

Material Safety Data Sheet

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

Trade Name	**ShaliProtek PuR 40**
Intended Use	An ideal protective coating
Product Code	2KSPPR40
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**
Aspartic Ester	8-15	136210-30-5
Dioctyl phthalate	3-8	117-81-7
Calcium Carbonate	10 - 20	1317-65-3
Pigments	1 – 5	Trade secrete
Silica flour	20-40	14808-60-7
Additives	1 – 3	Trade secrete
Xylene (Mix of isomers)	1-8	1330-20-7
Solvent C9	1-6	64742-95-6
Comp - B		
Aromatic isocyanate Prepolymer	12-20	NA
Aromatic polyisocynate	5-12	NA
Cycloaliphatic polyisocyanate	1-5	53880-05-0
Xylene (Mix of isomers)	5-15	1330-20-7
Solvent C9	1-10	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 ofBronchitis.
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 unconsciousperson. 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 eyelidsopen. Cold water may be used. Do not use an eye ointment. Seek a medical attention.
Skin Contact	In case of contact, take of 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 caseof 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, carbondioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion donot 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.

[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.

[9] Physical & Chemical Properties (mixed system)

Appearance	Moderately viscous Grey liquid
Odour	Not relevant for hazard information
Auto ignition temperature	315 ^{O}C
Boiling Point at atmospheric pressure	70 ^{o}C
Specific Gravity	1.35 to 1.45
Vapour pressure (20°C)	980 Pa
Melting Point /Freezing point	-18 ^{O}C
Water Solubility	Immiscible
Flash Point ^{O}C	>32°C
Viscosity, dynamic (25°C)	1000-2500 cps

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Temperatures below 0°C and above 45^{o} 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

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.
Bio accumulative Potential	:	Not expected to be bio accumulative.
Eco toxicity	:	Expected to be eco toxic to fish/daphnia/algae

[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	ShaliProtek PuR 40
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 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.

END OF MSDS

Date of Revision: 16th July, 2022