

Material Safety Data Sheet

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

Trade Name	STPOuterWrap
Intended Use	Pipeline Wrapping
Company Name	STP Limited 43 Nehru Place 707 Chiranjiv Towers, New Delhi 100019, India Phone : +91 11 4656 1359 Fax : +91 11 4656 1358
Emergency Information	Phone : +91 81302 98888 Fax : +91 11 4656 1358

[1] Composition / information on ingredients

Component	%	CAS No
Coal Tar Enamel	85-89	Mixture
Fibre Glass	11-15	65997-17-3
Sand	Sufficient to prevent sticking	14808-60-7

[2] Hazards Identification

Inhalation	Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Get medical attention.
Ingestion	If conscious, induce vomiting to prevent further absorption. Give Oxygen if respiration is shallow. Get medical attention. Do not give anything by mouth to an unconscious person.
Skin Contact	For contact with solid enamel, remove contaminated clothing and wash
Eye Contact	Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention.

[3] First-aid Measures

Inhalation	Remove to fresh air. Give oxygen/artificial respiration of needed. Consult Doctor.
Ingestion	Do not induce vomiting. Give plenty of milk or water. Consult Doctor.
Eye Contact	Flush with copious clean water minimum 15 minutes ensure Thorough irrigation. Consult Doctor.
Skin Contact	Remove contaminated clothing. Apply proprietary skin cleaner, then wash with copious soap and water. Apply skin cream.

[4] Fire-fighting Measures

Extinguishing Media	Water fog, foam, carbon di-oxide, dry chemical, sand, Soap Stone Powder, steam. Water spray can control unconfined enamel fires, but may cause frothing or eruption in closed tanks.
Special Fire Fighting procedures	Wear self contained breathing apparatus, Full protective clothing.
Unusual Fire & Explosion Hazards	Vapour is heavier than air. Combustion Produces toxic gases

[5] Accidental Release Measures / Spills and Leaks

Steps to be taken in case material is released or spilled	Not applicable- material is a coated fabric
--	---

[6] Handling & Storage

Precautions for safe handling	This material may present a dust explosion hazard in solid form and is sensitive to ignition by electrostatic discharge. Maintain areas below flammable vapour/explosive dust concentrations.
Other precautions	Wear appropriate equipment when performing maintenance on contaminated equipment. Avoid prolonged or repeated contact with skin or breathing of dust and vapours. Do not smoke or eat in areas where this material is handled. Wash hands before eating. Avoid confinement during operation.

[7] Exposure Controls / Personal Protection

Respiratory Protection (Type)	Use NIOSH/ISI-approved chemical cartridge respirator with organic vapour cartridges, or any supplied-air respirator as necessary
--------------------------------------	--

[8] Ventilation

Local Exhaust	All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.
Protective Gloves	Wear impervious gloves (i.e. latex rubber), boots, work uniform
Eye Protection	safety glasses or chemical goggles

[9] Physical & Chemical Properties

Appearance	Black-coated fibre-glass mat
Odour	aromatic, tarry odour
pH	Not available
Boiling Point/Boiling range °C	Initial boiling point > 290 °C
Specific Gravity	1.4 to 1.6
Vapour pressure(MM mercury)	< 1 mm Hg @ 20 °C
Melting Point /Freezing point	104 to 140 °C
Water Solubility	Insoluble
Viscosity	Not applicable
Percentage Volatile by volume	Approx. 2%
Evaporation Rate (Butyl Acetate=1)	Not applicable
Flash Point °C / Method used	Not applicable
Lower Explosive limits	Not applicable
Upper Explosive limits	Not applicable

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Avoid static discharge and generation of dust. Contact with water can cause frothing or eruption of closed tanks.
Incompatibility/Materials to avoid	Strong oxidizers
Hazardous Decomposition Products	None known
Hazardous Polymerisation	Will not take place

[11] Toxicological Information

Acute Oral LD₅₀: 6198 mg/kg for coal tar pitch

[12] Ecological Information

Coal Tar Pitch is a Marine Pollutant

[13] Disposal Consideration

Incinerate or landfill according to local regulations

[14] Transport Information

DOT / IATA/ IMDG Proper Shipping Name:	STPOuterwrap- Non hazardous
Emergency Guidebook:	Refer TREM Cards for this product.
Emergency Guidebook Numbers:	NAERG: Not applicable

[15] Regulatory Information (Risk & Safety Phrases)

OSHA Hazards:	Carcinogen. Toxic. Irritant. Sensitiser (skin)		
	CAS Number	Chemical Name	% by weight
	85-01-8	Phenanthrene	3.0
	Mixtures	Polycyclic Aromatic Compounds	2.4
Other Regulatory Listings:	Very toxic material. Irritant. Sensitiser.		
Special Shipping Information:	Product Packed in Solid, : Chemicals, (Coal Tar Enamel): Non hazardous. OSHA Hazards: Carcinogen, Toxic, Irritant, Sensitizer (skin).		

[16] Other Health & Safety Information

Product Packed in Solid, Chemical, (Coal Tar Enamel): Non hazardous.
OSHA Hazards: Carcinogen, Toxic, Irritant, Sensitizer (skin).

Note

Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data as a supplement to other information gathered by and make independent judgments of suitability of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.
Sources used from UK and USA manufacturers.