

### Material Safety Data Sheet

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

<b>Trade Name</b>	<b>ShaliMark</b>
<b>Intended Use</b>	<b>Road Marking Paint</b>
<b>Company Name</b>	<b>STP Limited</b> 707 Chiranjiv Tower 43 Nehru Place, New Delhi 110019, India Phone : +91 11 46561359 Fax : +91 11 46561358
<b>Emergency Information</b>	Phone : +91 81302 98888 Fax : +91 11 46561358

#### [ 1 ] Composition / information on ingredients

<b>Component</b>	<b>%</b>	<b>CAS No</b>
<b>Hydrocarbon resin</b>	18 - 22 %	64742-16-1
<b>Wax</b>	01 - 02 %	Trade Secret
<b>Glass beads</b>	30 - 40 %	Trade Secret
<b>Extender</b>	35 - 45 %	Trade Secret
<b>Pigments</b>	08 - 10 %	Trade Secret

#### [2] Hazards Identification

<b>Inhalation</b>	Excessive inhalation can cause nausea, headache, intoxication.
<b>Ingestion</b>	May cause irritation to the digestive tract and mouth causing vomiting and abdominal pain
<b>Skin Contact</b>	Prolonged contact will affect and dry the skin and may lead to irritation and dermatitis.
<b>Eye Contact</b>	Will cause intense smarting and irritation

#### [3] First-aid Measures

<b>Inhalation</b>	Remove to fresh air. Give oxygen / artificial respiration if needed. Consult Doctor.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water. Consult Doctor.
<b>Eye Contact</b>	Flush with clean water for minimum 15 minutes. Consult Doctor.

<b>Skin Contact</b>	Remove contaminated clothing. Apply proprietary skin cleaner, then wash with copious soap and water. Apply skin cream.
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#### [4] Fire-fighting Measures

<b>Extinguishing Media</b>	Use dry chemical powder, carbon dioxide or foam. Do NOT use water jets. Cool fire exposed containers with water spray.
<b>Special Fire Fighting procedures</b>	Wear self contained breathing apparatus, Full protective clothing. Spray drums with Water to keep cool.
<b>Unusual Fire &amp; Explosion Hazards</b>	Combustible liquid. This product will burn if exposed to fire. <b>Hazardous</b> Combustion products include oxides of carbon.

#### [5] Accidental Release Measures / Spills and Leaks

<b>Steps to be taken in case material is released or spilled</b>	NA
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#### [6] Handling & Storage

<b>Precautions for safe handling</b>	Keep in tightly closed container in cool dry area from all sources of ignition
<b>Other precautions</b>	Store away from oxidizing agents, peroxides, Food stuffs

#### [7] Exposure Controls / Personal Protection

<b>Respiratory Protection (Type)</b>	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision
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### [8] Ventilation

<b>Local Exhaust</b>	Ensure adequate ventilation to comply with OEL.
<b>Protective Gloves</b>	Rubber, PVC
<b>Eye Protection</b>	Safety glasses with side shields or face shield as appropriate recommended.

### [9] Physical & Chemical Properties

<b>Appearance</b>	White / Yellow / Black
<b>Odour</b>	Odour of Petroleum resin
<b>pH</b>	N/A
<b>Melting Point/Melting range °C</b>	180 - 210 °C
<b>Specific Gravity</b>	1.36 ± 0.05
<b>Vapour pressure(MM mercury)</b>	N/A
<b>Softening Point</b>	102 ± 9.5
<b>Water Solubility</b>	Insoluble
<b>Flash Point °C</b>	270 °C
<b>Lower Explosive limits</b>	N/A
<b>Upper Explosive limits</b>	N/A

### [10] Stability & Reactivity

<b>Stability</b>	Stable under normal conditions
<b>Conditions to avoid</b>	Heat, flames and other ignition sources.
<b>Incompatibility/Materials to avoid</b>	Oxidising agents, strong acids, alkalis, Halogens
<b>Hazardous Decomposition Products</b>	Produces Oxides of carbon
<b>Hazardous Polymerisation</b>	Will not occur

### [11] Toxicological Information

<b>Inhalation</b>	Harmful: possible risk of irreversible effects through inhalation after single exposure. Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
<b>Ingestion</b>	Harmful: possible risk of irreversible effects if swallowed after a single exposure. Harmful: may cause lung damage if swallowed. Ingestion of this product will irritate the gastric tract causing nausea and vomiting. Aspiration into the lungs may result in chemical pneumonitis.
<b>Skin</b>	Harmful: possible risk of irreversible effects in contact with skin after a single exposure. May cause redness, itching and irritation.
<b>Eye</b>	May cause eye irritation, tearing, stinging, blurred vision, and redness

**Chronic Effects** Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**[12] Ecological Information**

Not expected to bioaccumulate or biomagnify. Is expected to slowly degrade at the air interface. May float on water.

**Environ. Protection** Prevent this material entering waterways, drains and sewers.

**[13] Disposal Consideration**

Dispose in accordance with all local and governmental regulations

**[14] Transport Information**

<b>UN number</b>	None Allocated
<b>Dangerous goods class</b>	Non Combustible
<b>Subsidiary risk</b>	None Allocated
<b>EPG card</b>	None Allocated
<b>Shipping name</b>	None Allocated
<b>Packing group</b>	None Allocated
<b>Poisons schedule</b>	None Allocated
<b>Hazchem code</b>	None Allocated

**[15] Regulatory Information (Risk & Safety Phrases)**

<b>Risk Phrase</b>	R40(3) Possible risk of irreversible effects. R40/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. R65 Harmful: may cause lung damage if swallowed.
<b>Safety Phrase</b>	S23 Do not breathe as/fumes/vapour/spray. S24/25 Avoid contact with skin and eyes. S37/39 Wear suitable gloves and eye/face protection. S62 If swallowed, do not induce vomiting; seek medical advice immediately

<b>Poisons Schedule</b>	S5
<b>Hazard Category</b>	Harmful

#### [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.