

# ShaliKote 10 / T 10A

Bituminous Cold Applied Clay type Emulsion



## Material Safety Data Sheet

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

|                              |   |
|------------------------------|---|
| <b>Trade Name</b>            | <b>ShaliKote T 10 / T 10A</b>   |
| <b>Intended Use</b>          | General waterproofing of Concrete and Masonry Structures, Anti-corrosion for rails and for insulation purpose                               |
| <b>Company Name</b>          | <b>STP Limited</b><br>43 Nehru Place<br>707 Chiranjiv Towers, New Delhi 110019, India<br>Phone : +91 11 4656 1359<br>Fax : +91 11 4656 1358 |
| <b>Emergency Information</b> | Phone : +91 81302 98888<br>Fax : +91 11 4656 1358   |

### [ 1 ] Composition / information on ingredients

| Component              | %       | CAS No    |
|------------------------|---------|-----------|
| Acid                   | 2- 5 %  | 8008-20-6 |
| Bitumen                | 40-50 % | 8052-42-4 |
| Montmorillonite powder | 30-50 % | 1318-93-0 |

### [2] Hazards Identification

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Excessive inhalation can cause nausea, headache, intoxication and Unconsciousness.        |
| <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 milk or 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. |

#### [4] Fire-fighting Measures

|   |   |
|---|---|
| <b>Extinguishing Media</b>                  | Dry powder, CO <sub>2</sub> , Earth, Sand, Foam. Do not use Water.                                      |
| <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> | Vapour is heavier than air. Combustion Produces toxic gases   |

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

|  |   |
|--|---|
| <b>Steps to be taken in case material is released or spilled</b> | Absorb onto inert material, e.g. sand, earth. Put into suitable containers. Prevent from entering water courses |
|--|---|

#### [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> | Self contained breathing apparatus if in enclosed spaces. Otherwise, not normally required. |
|--------------------------------------|---|

#### [8] Ventilation

|                          |   |
|--------------------------|---|
| <b>Local Exhaust</b>     | Ensure adequate ventilation to comply with OEL. |
| <b>Protective Gloves</b> | Rubber, PVC                                     |
| <b>Eye Protection</b>    | Safety goggles Long sleeved overalls            |

#### [9] Physical & Chemical Properties

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>Appearance</b>                     | Dark Brown Paste      |
| <b>Odour</b>                          | Mild bituminous odour |
| <b>Ph</b>                             | 3-7                   |
| <b>Boiling Point/Boiling range °C</b> | N/A                   |
| <b>Specific Gravity</b>               | N/A                   |
| <b>Vapour pressure(MM mercury)</b>    | N/A                   |
| <b>Melting Point /Freezing point</b>  | N/A                   |
| <b>Water Solubility</b>               | Soluble               |

|   |         |
|---|---------|
| <b>Viscosity</b>                          | N/A     |
| <b>Percentage Volatile by volume %</b>    | 40-50 % |
| <b>Evaporation Rate (Butyl Acetate=1)</b> | N/A     |
| <b>Flash Point °C / Method used</b>       | N/A     |
| <b>Lower Explosive limits</b>             | N/A     |
| <b>Upper Explosive limits</b>             | NA      |

#### [10] Stability & Reactivity

|   |   |
|---|---|
| <b>Stability</b>                          | Stable under normal conditions                    |
| <b>Conditions to avoid</b>                | High temperatures                                 |
| <b>Incompatibility/Materials to avoid</b> | Oxidising agents, strong acids, alkalis, Halogens |
| <b>Hazardous Decomposition Products</b>   | Combustion produces toxic gases                   |
| <b>Hazardous Polymerisation</b>           | Will not occur                                    |

#### [11] Toxicological Information

LD 50/oral/rat = 5000 mg / Kg

#### [12] Ecological Information

Non pollutant

#### [13] Disposal Consideration

Incinerate or landfill according to local regulations

#### [14] Transport Information

|                             |                          |
|-----------------------------|--------------------------|
| <b>Class</b>                | Non Hazardous material   |
| <b>Packaging Group</b>      | III                      |
| <b>Classification Code</b>  | 9                        |
| <b>Hazard Ident. Number</b> | N/A                      |
| <b>UN Number</b>            | 1999                     |
| <b>RID-ADR</b>              | Asphalt                  |
| <b>HI</b>                   | N/A                      |
| <b>Label</b>                | N/A                      |
| <b>Technical Name</b>       | Bituminous emulsion type |

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

|               |   |
|---------------|---|
| <b>R10</b>    | Not Flammable   |
| <b>R40/21</b> | Harmful-Possible risk of irreversible effects. In contact with skin |

|                  |  |
|------------------|--|
| <b>R51/53</b>    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment |
| <b>S24</b>       | Avoid contact with skin  |
| <b>S36/37/39</b> | Wear suitable protective clothing, gloves and eye / face protection                        |

### [16] Other Health & Safety Information

Recommended uses and restrictions: See below  
Source of key information used to compile SDS, CHIP regulations 1994. EH40  
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.