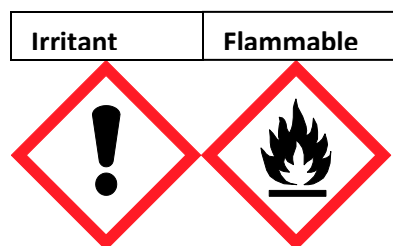


| 1. Identification | |
|--------------------------|--|
| Product Name(Identifier) | TST Silent Rider SB (solvent based) |
| Manufacturer | Total Systems Technology Inc. |
| Address | 65 Terence Drive, Pittsburgh, PA 15236 |
| Phone Number | 412-653-7690 |
| Emergency Phone Number | 800-245-4828 |
| Recommended Use | Automotive Undercoating |
| Restrictions on Use | Not for use on skin |

| 2. Hazard Identification | |
|--------------------------|---|
| Hazard Statements | H228: Flammable liquid H305: May be harmful if swallowed and enters airways H313: May be harmful in contact with skin H320: Causes eye irritation H335: May cause respiratory irritation |
| Precautionary Statements | P211: Do not spray on an open flame or other ignition source P261: Avoid breathing dust/fume/gas/mist/vapors/spray P262: Do not get in eyes, on skin, or on clothing P285: In case of inadequate ventilation wear respiratory protection |
| Signal Word | Warning |

Pictograms



| 3. Composition/ Information on Ingredients | |
|--|--|
| Substances | % |
| Clay (Attapulgate) | 8-14% |
| Petroleum Asphalt | 45-55% |
| Naphthenic Oil | 1-5% |
| Mineral Spirits | 35-45% |
| Trade Secret Claims | The exact concentration of these ingredients are being withheld in accordance with the OSHA 1910.1200 (i). |

| 4. First Aid Measures | |
|-----------------------|---|
| Symptoms | Irritant to eyes, nose, mouth, and lungs in an unventilated area. May also cause dizziness in an unventilated area. May be fatal if swallowed. |
| Required Treatment | <p>EYES: Flush with large amounts of water immediately. Eyelids shall be held away from eyeball.</p> <p>INHALATION: If exposure occurs, remove victim to fresh air. If breathing stopped, apply artificial respiration and administer oxygen as needed.</p> <p>SKIN: Flush with water while removing contaminated clothing. Wash exposed areas with soap and water.</p> <p>ORAL: Do not induce vomiting- aspiration hazard. Seek medical attention immediately. If victim is conscious, give two glasses of water. aspiration of material to lungs. 3-5 oz may be fatal.</p> |

| 5. Fire-fighting Measures | |
|----------------------------|--|
| Extinguishing Techniques | Foam, Water fog, Dry Chemical |
| Proper Equipment | SCBA. Fire retardant equipment |
| Chemical Hazards from Fire | CO, CO ₂ , SO ₂ . Potential for volatile asphalt vapors to explode |
| Not acceptable Techniques | Water Spray |

| 6. Accidental Release Measures | |
|--------------------------------|--|
| Emergency Procedures | Stop or contain spill. Shut off leak dike up spill, and keep spills from open flame. |
| Emergency Equipment | Wear PPE outlined in Section 8. |
| Proper method of cleanup | Absorb with inert material such as dirt, earth, sand, vermiculite. |

| 7. Handling and Storage | |
|-------------------------------|--|
| Precautions for Safe Handling | Ensure container is tightly sealed. |
| Precautions for Safe Storage | Avoid extreme temperatures. Store in cool, dry, isolated, well ventilated areas. Do not eat or drink in area of storage. |

| | |
|-------------------|----------------------|
| Incompatibilities | Flammable materials. |
| | |

| 8. Exposure Controls/ Personal Protective Equipment | |
|---|--|
| OSHA PEL | Clay (Attapulgate)= 0.1 mg/mm ³ Petroleum Asphalt= 5 mg/m ³ Naphthenic Oil= N/A Mineral Spirits= 100 ppm |
| NIOSH REL | None Determined |
| ACGIH TLV | Clay (Attapulgate)= 0.1 mg/mm ³ Petroleum Asphalt= 5 mg/m ³ Naphthenic Oil= N/A Mineral Spirits= 100 ppm |
| | |
| Appropriate Engineering Controls | Adequate ventilation is required. If no ventilation, respirator is required. |
| | |
| Personal Protective Equipment | INHALATION: NIOSH approved full face respirator with organic vapor cartridges. EYE: Glasses or goggles or full face shield. GLOVE: Chemical resistant gloves. SKIN: Coveralls, chemically impervious clothing |

| 9. Physical/Chemical Properties | |
|--------------------------------------|-------------------------------------|
| Appearance | Black viscous liquid |
| Odor | Petroleum |
| Odor Threshold | Not determined |
| pH | N/A |
| Flash Point | 105 F Category 3 (Flammable Liquid) |
| Melting Point/Freezing Point | N/A |
| Initial Boiling/ Freezing Point | 313 F |
| Lower Flammability/Explosive Limits | 0.9% |
| Upper Flammability/ Explosive Limits | 6.0 % |
| Viscosity | 22,000-28,000 cps |
| Specific Gravity | 0.93 |
| Evaporation (Ether=1) | <1 |
| Auto ignition Temperature | 400 F |
| Solubility | Insoluble |
| Partition Coefficient | Not determined |
| Oxidizing Properties | None |

| 10. Stability/ Reactivity | |
|---------------------------|--------|
| Reactivity | Stable |
| Chemical Stability | Stable |

| | |
|------------------------------------|-------------------------------|
| Possibility of Hazardous Reactions | Open Flame- CO, NO, SOx, CaO. |
| | |

11. Toxicological Information

| | |
|---|----------------|
| Acute toxicity | Not determined |
| Inhalation | Not determined |
| Oral | Not determined |
| Dermal | Not determined |
| Skin Corrosion/Irritation | Skin irritant |
| Serious Eye Irritation | Eye irritant |
| Respiratory or skin sensitization/ mutagenicity | Not determined |
| Carcinogenicity | Not determined |
| Reproductive Toxicity | Not determined |
| Specific Target Organ-Single Exposure | Not determined |
| Specific Target Organ- Repeated Exposure | Not determined |
| Aspiration Hazard | Not determined |

12. Ecological Information

| | |
|-------------------------------|--|
| Toxicity | Not determined |
| Persistence and Degradability | Not determined |
| Mobility in soil | Not determined |
| | Dispose of as if dangerous to environment. |

13. Disposal Considerations

| | |
|-------------------------|---|
| Waste Treatment Methods | Dispose of in accordance with local regulations |
| Contaminated Packaging | Empty containers may contain, flammable residue. Do not reuse containers. |
| | |

14. Transport Information

| | |
|--|---|
| DOT (US) | Flammable Liquid |
| UN number | 1993 |
| UN proper shipping name | Flammable Liquid |
| Transport hazard class(es) | 3 |
| Packing group, if applicable | III |
| Environmental hazards (e.g., Marine pollutant (Yes/No) | Not determined |
| Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport | Only hazardous in volumes greater than 119 gallons. |

15. Regulatory Information

| | |
|-----------------------------------|--|
| All components are listed on TSCA | |
| | |

| 16. Other Information | |
|------------------------------|--|
| Preparation Date | 9/3/2014 |
| Revision Date | |
| Abbreviations | OSHA- Occupational Safety and Health Administration NIOSH- National Institute for Occupational Safety and Health ACGIH- American Conference of Governmental Industrial Hygienists PEL- Permissible Exposure Limit REL- Recommended Exposure Limit TLV- Threshold Limit Value STEL- Short Term Exposure Limit TWA- Time Weighted Average (8 hr/day). Ppm-parts per million Mg/m ³ - milligrams per meters cubed |
| Notice | Judgments as to the suitability of information herein for purchaser’s purposes are the purchaser’s responsibility. TST has taken reasonable care in preparing above information to be as accurate as possible. TST makes no warranties, representations, and assumes no responsibility to the suitability of such information and for the application of said product and the consequences that occur. |