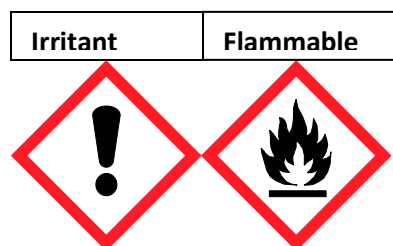


1. Identification	
Product Name(Identifier)	TST Silent Rider SB (solvent based)
Manufacturer	Total Systems Technology Inc.
Address	65 Terence Drive, Pittsburgh, PA 15236
Phone Number	412-653-7690
Emergency Phone Number	800-245-4828
Recommended Use	Automotive Undercoating
Restrictions on Use	Not for use 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 half 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, SO _x , 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	8/2/2018
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.