

1. Identification	
Product Name(Identifier)	TST 5000
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 maintenance product
Restrictions on Use	Not for use on skin

2. Hazard Identification	
Hazard Statements	H305: May be harmful if swallowed and enters airways H316: Causes mild skin irritation H320: Causes eye irritation
Precautionary Statements	P234: Keep only in original container P262: Do not get in eyes, on skin, or on clothing P270: Do not eat, drink or smoke when using this product
Signal Word	Warning

#### Pictograms

Irritant
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3. Composition/ Information on Ingredients	
Substances	%
TST Activator	25-50%
TST Base	50-75%
Trade Secret Claims	The exact concentration of these ingredients are being withheld in accordance with the OSHA 1910.1200 (i).

#### 4. First Aid Measures

<b>Symptoms</b>	Irritant to eyes, skin, respiratory tract, and upon ingestion. May cause dizziness if inhaled. May cause drying or cracking of skin.
<b>Required Treatment</b>	<p><b>Inhalation:</b> Remove victim from further exposure, seek immediate medical attention.</p> <p><b>Skin:</b> Wash skin with soap and water. Remove contaminated clothing and launder before reuse.</p> <p><b>Eyes:</b> Flush eyes with water for 15 minutes. Lift under each eyelids.</p> <p><b>Oral:</b> Do not induce vomiting. Keep head below hips if vomiting occurs spontaneously.</p>

5. Fire-fighting Measures	
<b>Extinguishing Techniques</b>	Water fog, dry chemical, CO2
<b>Proper Equipment</b>	Fire retardant clothing and a Self-Contained Breathing Apparatus
<b>Chemical Hazards from Fire</b>	Possible CO, CO2
<b>Not acceptable Techniques</b>	Water jet

6. Accidental Release Measures	
<b>Emergency Procedures</b>	Avoid contact with material. Do not inhale/ingest. Warn others around to avoid area. Keep from entering environment.
<b>Emergency Equipment</b>	Refer to Section 8
<b>Proper method of cleanup</b>	Absorb with inert ingredient such as sand earth, or vermiculate. Dispose of in accordance with federal and state regulations.

7. Handling and Storage	
<b>Precautions for Safe Handling</b>	Wear appropriate personal protection. Wear appropriate PPE mentioned in Section 8.
<b>Precautions for Safe Storage</b>	Keep at room temperature. Store upright. Keep in sealed containers.
<b>Incompatibilities</b>	None Known

8. Exposure Controls/ Personal Protective Equipment	
OSHA PEL	Not determined
NIOSH REL	Not determined
ACGIH TLV	Not determined
Appropriate Engineering Controls	Use adequate ventilation. Keep eye wash stations and sink nearby.
Personal Protective Equipment	<p><b>Respirators:</b> Not required. Use half mask respirators with organic particle filters if ventilation is inadequate and there is a large exposure.</p> <p><b>Hands:</b> Chemical resistant gloves.</p> <p><b>Eye:</b> Splash resistant goggles.</p> <p><b>Skin:</b> Long Sleeves and long pants.</p>

9. Physical/Chemical Properties	
Appearance	Light orange viscous liquid.
Odor	Solvent odor
Odor Threshold	Not determined
pH	7.4
Melting Point/Freezing Point	N/A
Initial Boiling/ Freezing Point	Not determined
Partition Coefficient	Not determined
Flammability (solid/gas)	N/A
Upper Flammability/Explosive Limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Relative Density	Not determined
Water Solubility	Partial
Specific Gravity	Not determined
Flash Point	550 F
Viscosity	Greater than water
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. Stability/ Reactivity	
Reactivity	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Stable

11. Toxicological Information	
Acute Toxicity	Low toxicity

<b>Inhalation</b>	Not determined
<b>Oral</b>	Not determined
<b>Dermal</b>	Not determined
<b>Skin Corrosion/Irritation</b>	Irritant
<b>Serious Eye Irritation</b>	Not classified
<b>Respiratory or skin sensitization/ mutagenicity</b>	Not determined
<b>Carcinogenicity</b>	No
<b>Reproductive Toxicity</b>	No
<b>Specific Target Organ-Single Exposure</b>	No
<b>Specific Target Organ- Repeated Exposure</b>	No
<b>Aspiration Hazard</b>	Possible if ingested with vomiting

<b>12. Ecological Information</b>	
<b>Toxicity</b>	Not determined
<b>Persistence and Degradability</b>	Not determined
<b>Mobility in soil</b>	Not determined

<b>13. Disposal Considerations</b>	
<b>Waste Treatment Methods</b>	Dispose of as a hazardous material in accordance with federal, state, and local regulations.
<b>Contaminated Packaging</b>	Packaging is contaminated after use.

<b>14. Transport Information</b>	
<b>DOT (US)</b>	Not regulated
<b>UN number</b>	N/A
<b>UN proper shipping name</b>	N/A
<b>Transport hazard class(es)</b>	N/A
<b>Packing group, if applicable</b>	N/A
<b>Environmental hazards (e.g., Marine pollutant (Yes/No)</b>	N/A
<b>Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport</b>	N/A

<b>15. Regulatory Information</b>	
All components are listed on TSCA.	

<b>16. Other Information</b>	
<b>Preparation Date</b>	10/15/2014
<b>Revision Date</b>	

<p><b>Abbreviation</b></p>	<p>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<sup>3</sup>- milligrams per meters cubed</p>
<p><b>Notice</b></p>	<p>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.</p>