




1. Identification	
Product Name(Identifier)	Kero-Clean
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	H227: Combustible liquid H302: Harmful if swallowed H315: Causes skin irritation H332: Harmful if inhaled H335: May cause respiratory irritation H336: May cause drowsiness or dizziness H351: Components suspected of causing cancer to animals. H413: May cause harmful effects to aquatic life
Precautionary Statements	P103: Read label before use P221: Take any precaution to avoid mixing with combustibles P233: Keep container tightly closed P234: Keep only in original container P261: Avoid breathing dust/fume/gas/mist/vapours/spray P262: Do not get in eyes, on skin, or on clothing P270: Do not eat, drink or smoke when using this product P281: Use personal protective equipment as required
Signal Word	Danger

Pictograms

Flammable	Health Haz	Irritant
		

3. Composition/ Information on Ingredients	
Substances	%
Kero-Clean Concentrate	1-25%
Kerosene 1-K Dyed (Sunoco)	75-100%
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	Harmful if inhaled. Vapors may cause drowsiness. May be irritant if on skin. Harmful or fatal if swallowed. Pulmonary Aspiration hazard. May cause damage to lungs.
Required Treatment	<p>Inhalation: Remove victim from further exposure, seek immediate medical attention.</p> <p>Skin: Wash skin with soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention.</p> <p>Eyes: Flush eyes with water for 15 minutes. Lift under each eyelids. Seek medical attention</p> <p>Oral: Do not induce vomiting. Keep head below hips if vomiting occurs spontaneously. Seek medical attention.</p>

5. Fire-fighting Measures	
Extinguishing Techniques	Water spray, regular foam, dry chemical, and carbon dioxide.
Proper Equipment	Fire retardant clothing and a Self-Contained Breathing Apparatus
Chemical Hazards from Fire	CO, CO2
Not acceptable Techniques	N/A

6. Accidental Release Measures	
Emergency Procedures	Avoid contact with material. Do not inhale/ingest. Prevent ignition. Stop leak from spreading.

Emergency Equipment	Refer to Section 8
Proper method of cleanup	Absorb with inert ingredient such as sand earth, or vermiculate. Dispose of in accordance with federal and state regulations.

7. Handling and Storage	
Precautions for Safe Handling	Wear appropriate personal protection.
Precautions for Safe Storage	Keep at room temperature. Store upright. Keep in sealed containers.
Incompatibilities	Oxidizing agents

8. Exposure Controls/ Personal Protective Equipment	
OSHA PEL	Not determined
NIOSH REL	Not determined
ACGIH TLV	Not determined
Appropriate Engineering Controls	Use adequate ventilation.
Personal Protective Equipment	<p>Respirators: Half mask air purifying respirator with organic vapor cartridges.</p> <p>Hands: Chemical resistant gloves.</p> <p>Eye: Splash proof chemical goggles.</p> <p>Skin: Cover skin with long sleeves and pants.</p>

9. Physical/Chemical Properties	
Appearance	Reddish liquid
Odor	Kerosene odor
Odor Threshold	.1 ppm
pH	N/A
Melting Point/Freezing Point	N/A
Initial Boiling/ Freezing Point	325-572 F
Lower Flammability/ Exposure Limits	.7%
Upper Flammability/Explosive Limits	5%
Vapor Pressure	20 @ 158 F
Vapor Density	Not determined
Relative Density	Not determined
Water Solubility	Not determined
Specific Gravity	.81
Flash Point	195 F
Partition Coefficient	Not determined

Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	None
Flammability	Flammable Liquid Category 4

10. Stability/ Reactivity	
Reactivity	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	May produce carbon monoxide, carbon dioxide

11. Toxicological Information	
Acute Toxicity	Not determined
Inhalation	Not determined
Oral	Not determined
Dermal	Not determined
Skin Corrosion/Irritation	Irritant
Serious Eye Irritation	Not determined
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	Pulmonary

12. Ecological Information	
Toxicity	Not determined
Persistence and Degradability	Not determined
Mobility in soil	Not determined

13. Disposal Considerations	
Waste Treatment Methods	Dispose of as a hazardous material in accordance with federal, state, and local regulations.
Contaminated Packaging	Possibility of packaging maintaining residue.

14. Transport Information	
DOT (US)	
UN number	1223
UN proper shipping name	Kerosene
Transport hazard class(es)	3

Packing group, if applicable	
Environmental hazards (e.g., Marine pollutant (Yes/No	No
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport	Not determined

15. Regulatory Information

All components listed on TSCA RCRA Hazardous Waste Hazardous Air Pollutant PA Right to Know	Components in product contain: benzene, cumene, ethyl benzene, naphthalene, and xylene.
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16. Other Information

Preparation Date	10/2/14
Revision Date	
Abbreviation	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.