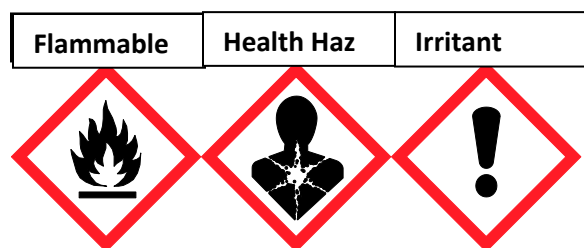


1. Identification	
Product Name(Identifier)	Tar and Wax Remover
Manufacturer	Total Systems Technology Inc.
Address	65 Terence Drive, Pittsburgh, PA 15236
Phone Number	412-653-7690
Emergency Phone Number	800-245-4828
Recommended Use	Removal of tar and wax
Restrictions on Use	Not for use on skin

2. Hazard Identification	
Hazard Statements	H225: Highly flammable liquid and vapor H305: May be harmful if swallowed and enters airways H316: Causes mild skin irritation H320: Causes eye irritation H373: May cause damage to organs through prolonged or repeated exposure
Precautionary Statements	P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking P211: Do not spray on an open flame or other ignition source P243: Take precautionary measures against static discharge P331: Do NOT induce vomiting P341: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Signal Word	Warning

Pictograms



3. Composition/ Information on Ingredients	
Substances	%
Toluene	25-50%
ShellSol OMS (Naphtha)	50-75%
Trade Secret Claims	The exact concentration of these ingredients are

	being withheld in accordance with the OSHA 1910.1200 (i).
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4. First Aid Measures	
Symptoms	Irritant through eyes, skin, and ingestion. Breathing high concentrations may be harmful. Abused use or in an enclosed space may cause irregular heartbeat which can be fatal.
Required Treatment	Inhalation: Remove victim from further exposure, seek immediate medical attention with symptoms of nausea and unconsciousness. Skin: Wash skin with soap and water. Remove contaminated clothing and launder before reuse. Eyes: Flush eyes with water for 15 minutes. Lift under each eyelids. Oral: Do not induce vomiting. Keep head below hips if vomiting occurs spontaneously.

5. Fire-fighting Measures	
Extinguishing Techniques	Foam, water fog, carbon dioxide, or dry chemical.
Proper Equipment	Use self-contained breathing apparatus and fire retardant clothing.
Chemical Hazards from Fire	CO ₂ , CO, unburned hydrocarbons, unburned aldehydes and others.
Not acceptable Techniques	Water spray/jet

6. Accidental Release Measures	
Emergency Procedures	Ensure personal safety. Eliminate all ignition sources. Prevent from entering waterways, sewers, or confined spaces.
Emergency Equipment	See Section 8. If large spill use Self-contained breathing apparatus.
Proper method of cleanup	Dike ahead of spill. Absorb spilled material with dry earth, sand, or other nonflammable material. Use clean, non-sparking tools during cleanup.

7. Handling and Storage	
Precautions for Safe Handling	Spill or leak can cause immediate fire hazard.

	Keep containers closed. Do not breathe vapor. Keep unnecessary persons away from area.
Precautions for Safe Storage	Ground and bound drums to avoid electrical charge. Keep containers closed. Open slowly to avoid pressure release. Keep in ambient temperature areas.
Incompatibilities	Rubbers.

8. Exposure Controls/ Personal Protective Equipment

OSHA PEL	Toluene= 200 ppm TWA ShellSol OMS= 500 ppm
NIOSH REL	Not determined
ACGIH TLV	Toluene= 20 ppm TWA ShellSol OMS= 100 ppm TWA
Appropriate Engineering Controls	Use adequate ventilation. Keep eye wash stations and sinks nearby.
Personal Protective Equipment	Respirators: Organic gas and vapor filtered half mask respirators if ventilation is not thorough. Hands: Rubber gloves for a short time before replacing them. Eye: Chemical splash goggles. Skin: No specific clothing required. Long sleeves and long pants are recommended.

9. Physical/Chemical Properties

Appearance	Light Colored liquid
Odor	Sweet, Pungent
Odor Threshold	Not determined
pH	7.2
Melting Point/Freezing Point	Not determined
Initial Boiling/ Freezing Point	228-231 F
Flammability (solid/gas)	Flammable Liquid Category 2
Upper Flammability/Explosive Limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Relative Density	Not determined
Water Solubility	Slightly soluble in water
Specific Gravity	Not determined
Flash Point	85 F
Viscosity	<3
Explosive Properties	Not determined

Oxidizing Properties	Not determined
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10. Stability/ Reactivity	
Reactivity	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Same products as identified in section 5.

11. Toxicological Information	
Acute Toxicity	Acutely Toxic in high concentrations
Inhalation	Toxic
Oral	Not determined
Dermal	Not determined
Skin Corrosion/Irritation	Skin irritant
Serious Eye Irritation	Irritant
Respiratory or skin sensitization/ mutagenicity	Possible
Carcinogenicity	Not determined
Reproductive Toxicity	Possible
Specific Target Organ-Single Exposure	Liver, kidney, nervous system, cardiac arrhythmias, and death.
Specific Target Organ- Repeated Exposure	Impaired color vision and hearing small possibility after repeated overexposure. Similar to acute exposure.
Aspiration Hazard	Not determined

12. Ecological Information	
Toxicity	May cause long term affects to environment.
Persistence and Degradability	Rapidly biodegradable.
Mobility in soil	Not determined

13. Disposal Considerations	
Waste Treatment Methods	Maximize material recovery and reuse. Dispose of in accordance with local regulations.
Contaminated Packaging	Possible

14. Transport Information	
DOT (US)	Not determined
UN number	Toluene= 1294 ShellSol OMS=1255
UN proper shipping name	
Transport hazard class(es)	3

Packing group, if applicable	Toluene= II ShellSol OMS= III
Environmental hazards (e.g., Marine pollutant (Yes/No	Not a DOT marine Pollutant per 49 CFR 171.8
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport	Do not store near ignition sources.

15. Regulatory Information	
All components are listed on TSCA	

16. Other Information	
Preparation Date	9/16/2014
Revision Date	
Abbreviation	<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/m³- milligrams per meters cubed</p>
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.