

## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (as Used on Label and List)	<i>Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.</i>
<b>OLD SMOKY<sup>®</sup> Creosote, Smoke and Soot Remover</b>	

### Section I—Manufacturer's Information

Manufacturer's name	Emergency Telephone Number
<b>PLUTUS Environmental Technologies, Inc.</b>	<b>++1 (865) 453-0060    ++1 (865) 453-0060</b>
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information
<b>807 Mize Lane</b>	<b>++1 (865) 453-0060</b>
<b>Sevierville, Tennessee 37862-3027</b>	Date Prepared <b>Updated: 08 March 2006</b>
<b>USA</b>	Signature of Preparer (optional)

### Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>None; Proprietary blend of surfactants and organic solvents in aqueous solution; Contains 1 ppm Floresin for identification.</b>				

### Section III—Physical/Chemical Characteristics

Boiling Point	<b>H<sub>2</sub>O = 100°C</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.04 to 1.12</b>
Vapor Pressure (mm Hg)	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water	<b>Infinite</b>		
Appearance and Odor	<b>Clear Yellow/Green color; Light Citrus odor</b>		

### Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
<b>NONE</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Extinguishing Media	<b>N/A</b>		
Special Fire Fighting Procedures	<b>N/A</b>		
Unusual Fire and Explosion Hazards	<b>None Known</b>		

**Section V—Reactivity Data**

Stability	Unstable	Conditions to Avoid	<b>None known, unless water is evaporated; if all aqueous phase is evaporated, components will completely volatilize.</b>
	Stable	<b>X</b>	

Incompatibility (*Materials to Avoid*) **Hydrocarbon-based substances; aluminum; silicone**

Hazardous Decomposition or Byproducts **None known**

Hazardous Polymerization	May Occur	Conditions to Avoid	<b>N/A</b>
	Will Not Occur	<b>X</b>	

**Section VI—Health Hazard Data**

Route(s) of Entry **NO** Inhalation? **NO** Skin? **NO** Ingestion? **May cause diarrhea**

Health Hazards (*Acute and Chronic*) **May cause diarrhea if volume ingested**

Carcinogenicity **NO** NTP? **NO** IARC Monographs? **NO** OSHA Regulated? **NO**

Signs and Symptoms of Exposure **Hands may redden if immersed for several for several hours**

Medical Conditions  
Generally Aggravated by Exposure **None Known.**

Emergency and First Aid Procedures **If ingested, drink quantities of fresh water; DO NOT INDUCE VOMITING.**

**Flush eyes with water or saline solution. Call physician if irritation persists.**

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled **Mop up or use absorbent material; dispose in trash. Rinse surface thoroughly and apply local safety/spill clean-up measures as needed or required.**

Waste Disposal Method **May be safely poured down drain.**

Precautions to Be Taken in Handling and Storing **None known.**

Other Precautions **Personal Protective Equipment (PPE) is not required. Safety goggles are suggested when using this product or any other chemical product.**

**Section VIII—Control Measures**

Respiratory Protection (*Specify Type*) **N/A; Contains no VOCs.**

Ventilation	Local Exhaust	<b>None needed.</b>	Special	<b>None needed.</b>
	Mechanical ( <i>General</i> )	<b>N/A</b>	Other	<b>None needed.</b>

Protective Gloves **Not required.** Eye Protection **Suggested with use.**

Other Protective Clothing or Equipment **As needed or required by work site policies and procedures.**

Work/Hygienic Practices **Avoid excessive exposure.**