



# MATERIAL SAFETY DATA SHEET

## LPS Tapmatic Natural Cutting Fluid

### Section 1 • Product and Company Identification

**Manufacturer's Name:** LPS Laboratories

**Chemical Family:** Alkyl esters

**Trade Name:** LPS Tapmatic Natural Cutting Fluid

**Telephone Number:** 770-243-8800

**Part Numbers:** 44220, 44230, 44240, 44260

**Emergency Telephone Number:**

**Address:**

4647 Hugh Howell Road  
Tucker, GA USA 30085-5052

1-800-424-9300 Chemtrec;  
Outside U.S.: (703) 527-3887

**Website:** <http://www.lpslabs.com>

### PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

#### Worker Toxicity

LPS TAPMATIC NATURAL CUTTING FLUID is an industrial metal cutting fluid intended for "hand application" and is comprised of alkyl esters (fatty oils) of natural origin. LPS TAPMATIC NATURAL CUTTING FLUID is **not** hazardous per U.S. federal definitions (29 CFR 1910.1200 Subpart Z). While this product is not expected even to be an eye irritant, it is a good practice to wear protective eyewear while using it and to avoid prolonged skin exposure. Don't breathe "smoke" from any cutting fluid for extended periods without improved ventilation or the use of appropriate PPE. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

#### Flammability

LPS TAPMATIC NATURAL CUTTING FLUID has a flash point of 350°F, and under normal use conditions is not considered flammable. However, oils can be forced to burn; don't apply the product onto red-hot metal surfaces.

#### Disposal

Spent or spilled LPS TAPMATIC NATURAL CUTTING FLUID should not be dumped down a drain. Collect any spilled material and dispose of properly. See section 13 for more details.



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### Section 2 • Hazards Identification

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This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Emergency Overview:** Not considered hazardous.

**Primary route(s) of entry:** Skin and Eye contact. Inhalation.

**Potential Acute Health Effects:**

**Eyes:** Liquid contact may cause irritation. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation persists.

**Skin:** Wash with soap and water. Get medical attention if irritation persists.

**Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen and get medical attention. If not breathing, give artificial respiration and get medical attention.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

**Potential Chronic Health Effects:**

**Carcinogenic Effects:** NTP: No IARC: No OSHA: No

**Mutagenic Effects:** None

**Teratogenic Effects:** None

**Medical conditions aggravated by exposure:** None known.

**Signs and Symptoms**

Eye redness. Repeated or prolonged skin contact may cause redness, irritation, and scaling of the skin (dermatitis). Prolonged breathing of oil mist may cause headaches, dizziness, shortness of breath and other lung-related effects.

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### Section 3 • Composition / Information on Ingredients

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This preparation is not considered hazardous per 29 CFR 1910.1200.

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### Section 4 • First Aid Measures

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**Eyes:** Check for and remove contact lenses. If irritation or redness develops, flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. Do not use eye ointment. Seek medical attention immediately.



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### Section 4 • First Aid Measures - continued

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- Skin:** Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. Do not use ointments. Seek medical attention if irritation persists.
- Inhalation:** Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.
- Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

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### Section 5 • Fire Fighting Measures

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**Products of Combustion:** Carbon monoxide and carbon dioxide.

**Firefighting media:** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosions.

**Sensitivity to Impact:** None      **Sensitivity to Static Discharge:** None

**Protection Clothing (Fire):** Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles.

**Special Remarks on Explosion Hazards:** None.

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### Section 6 • Accidental Release Measures

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**Small Spill and Leak:** Absorb with an inert material and dispose of properly.

**Large Spill and Leak:** For large spills, secure the area and control access. Dike far ahead of a liquid spill to ensure complete collection. Pick up free liquid for disposal using absorbent pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal.

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### Section 7 • Handling and Storage

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**Handling:** DO NOT spray into or around ignition sources. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists.

**Storage:** Keep container in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store below 120°F.

**Precautions to be taken in handling and storage:** Store all materials in dry, well-ventilated area. Avoid breathing vapors.



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### Section 8 • Exposure Controls / Personal Protection

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<b><u>Engineering controls</u></b>	Normal room ventilation is usually adequate. If necessary, use local exhaust ventilation to keep exposures to oil mist below 5 mg/m <sup>3</sup> (or other more stringent limits).
<b>Personal protective equipment</b>	
<b>Eye protection</b>	Safety glasses with side shields.
<b>Hand protection</b>	Use protective gloves when applying product repeatedly.
<b>Respiratory protection</b>	Typical use of this product under normal conditions does not require the use of respiratory protection.
<b>Hygiene measures</b>	Use protective clothing.
<b>Environmental exposure controls</b>	Soak up puddles of product with absorbent material and dispose of according to local regulations.
<b>General Hygiene Considerations:</b>	Wash thoroughly after handling. Have eye-wash facilities immediately available.

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### Section 9 • Physical and Chemical Properties

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<b>Appearance:</b>	Liquid	<b>Colour:</b>	Green
<b>Odour:</b>	Spice.	<b>Vapour Pressure:</b>	Not available
<b>Solubility Description:</b>	Not soluble in cold water.	<b>Evaporation Rate:</b>	None.
<b>Boiling Point (°C):</b>	Not available	<b>Flash Point (°C):</b>	176°C (350°F)
<b>Specific Gravity (Water=1):</b>	0.88-0.89 @ 20 °C	<b>Flash Point Method:</b>	Tag-Closed Cup.
<b>Vapour Density (air=1):</b>	Not available	<b>Auto Ignition Temperature (°C):</b>	Not available
<b>V.O.C. Content:</b>	0 g/L	<b>Partition Coefficient (octanol/water):</b>	<1
<b>Flammable limits (estimated):</b>	Not available	<b>Viscosity:</b>	Not available.
<b>pH:</b>	Not applicable		



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### Section 10 • Stability and Reactivity

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**Stability and Reactivity:** The product is stable.

**Incompatibility with Various Substances:** Extremely reactive or incompatible with oxidizing agents.

**Hazardous decomposition products:** These products are carbon oxides (CO, CO<sub>2</sub>)

**Hazardous polymerization:** Will not occur.

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### Section 11 • Toxicological Information

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#### Acute and Chronic Toxicity

A: General Product Information

High atmospheric concentrations may result in eye, nasal and respiratory tract irritation. However, if handled in accordance with good industrial hygiene practice, this product will not present a hazard in the workplace.

#### Component Analysis

Ingredients	CASRN	LC-50	LD-50
Alkyl C16-C18 methyl Esters	67784-80-9	n.av.	>50 ml/kg/rat
9-Octadecenoic acid, (Z)-	112-80-1	n.av.	25 g/kg/rat

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### Section 12 • Ecological Information

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**General Product Information:** While no ecotoxicity information is available for the product as a whole, this preparation is not expected to be acutely toxic to aquatic systems. Keep out of surface waters, sewers, and water supplies.

**Component Information:** Acute Aquatic Toxicity

Component	CASRN	Test	Species	Results
9-Octadecenoic acid, (Z)-	112-80-1	96-hour EC <sub>50</sub>	Pimephales promelas	205,000 µg/L

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### Section 13 • Disposal Considerations

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**Waste Status:** In its purchased form, this material does not meet the definition of a RCRA hazardous waste.

**Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Note:** Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.



# MATERIAL SAFETY DATA SHEET

## LPS Tapmatic Natural Cutting Fluid

### Section 14 • Transport Information

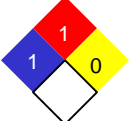
This product is not regulated by any mode of transportation.

### Section 15 • Regulatory information

**U.S. Federal Regulations:** **TSCA 8(b) inventory:** All of the ingredients are listed on the TSCA inventory or are exempt.  
**RCRA Hazardous Waste No.:** none  
**CERCLA Sections 102a/103 Hazardous Substances (40 CFR part 370) Reportable Quantity:** none  
**SARA TITLE III Sections 311/312 Hazardous Categorization (40 CFR part 370):** None.  
**Hazardous Air Pollutants (U.S. EPA):** None  
**SARA TITLE III Section 313:** No individual section 313 component is present at or above 1%.

**State Regulations:** **New Jersey RTK:** Alkyl C16-C18 Methyl Esters (CASRN# 67784-80-9), Oxidized Fatty Ester (CASRN# 68990-79-4), Methyl Lardate (CASRN# 68082-78-0), 9-Octadecenoic acid, (Z)- (CASRN# 112-80-1), Benzotriazole (CASRN# 29385-43-1)  
**California Proposition 65:** None.  
**Consumer Regulations (CA & OTC States):** This product is not regulated as a consumer item.  
**S.C.A.Q.M.D Rule 102:** This product is not regulated.

### Section 16 • Other Information

<p>MSDS# 44220          Responsible Name: Ed Williams  <b>Technical Manager</b></p>	<p style="text-align: center;"><b>HMIS-III</b></p> <p>Health: [ ] 1          Flammability: 1          Physical Hazard: 0</p>	<p style="text-align: center;"><b>NFPA</b></p> <p style="text-align: center;">flammability</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>health</span>  <span>reactivity</span> </div>
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**Notice to Reader:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Ed Williams, Technical Manager  
 LPS Laboratories  
 A division of Illinois Tool Works

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