



MATERIAL SAFETY DATA SHEET

LPS[®] Tapmatic[®] Natural Cutting Fluid

Revision 4

Revision Date: 9/15/08

Supersedes: 10/19/05

Section 1 • Product and Company Identification

Product Name: LPS[®] Tapmatic[®] Natural Cutting Fluid

Part Number: 44220, 44230, 44240, 44260, C44220, C44230, C44240, C44260

Chemical Name: Alkyl Esters

Product Use: A general purpose, industrial cutting fluid designed for cutting and machining steel, aluminum, and other types of metals.

Manufacturer Information: LPS Laboratories, 4647 Hugh Howell Rd., Tucker, GA, USA 30084

TEL: 1 770-243-8800

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

FAX: 1 770-243-8899

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) and is not WHMIS Controlled (Controlled Products Regulations). While this product is not expected 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 Personal Protective Equipment (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

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Emergency Overview: CAUTION: May cause eye and skin irritation.

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

Potential Acute Health Effects:

Eyes: Liquid contact may cause irritation.

Skin: Liquid contact may cause irritation.

Inhalation: Not a likely route of exposure. Smoke from burning fluid can cause irritation of the respiratory tract.

Ingestion: If swallowed, irritation of the throat or stomach, nausea, vomiting, and diarrhea may occur.

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

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

Section 3 • Composition / Information on Ingredients

Component

CASRN

Percent by Weight

This preparation is not considered hazardous.



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Section 4 • First Aid Measures

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

Section 5 • Fire Fighting Measures

Products of Combustion: Carbon monoxide and carbon dioxide.

Firefighting media: Use carbon dioxide, dry chemical, foam, fog, or water spray.

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.

Section 6 • Accidental Release Measures

- | | | |
|-------------------------------|--|--|
| Containment Procedures | Small Spill and Leak: | Absorb with an inert material and dispose of properly. |
| | Large Spill and Leak: | 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. |
| Clean-Up Procedures | Recover free product and place in suitable container for disposal. | |
| Evacuation Procedures | Ventilate area of leak or spill. Keep unnecessary and unprotected people away. | |
| Special Procedures | Wear appropriate protective equipment during cleanup. | |



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Section 7 • Handling and Storage

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. Store below 120°F. Keep out of reach of children.

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

Section 8 • Exposure Controls / Personal Protection

Engineering measures Normal room ventilation is usually adequate. If necessary, provide general and/or local exhaust ventilation to keep exposures below the oil mist exposure limit of 5 mg/m³ and/or more stringent limits.

Personal protective equipment

Eye protection Safety glasses with side shields conforming to appropriate regulations. Eye wash fountain and emergency shower facilities are recommended.

Hand protection Normally no hand protection is required; however, if product will be applied repeatedly for an extended period, skin contact may occur. If so, use chemical resistant gloves (i.e., neoprene, rubber latex, or butyl glove) conforming to appropriate regulations. Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves.

Respiratory protection Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection (i.e., organic vapor cartridge).

General Hygiene Considerations Wash thoroughly after handling. Have eye-wash facilities immediately available.



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Section 9 • Physical and Chemical Properties

Appearance:	Liquid	Color:	Green
Odor/Taste:	Spice.	Vapor Pressure:	Not Established
Solubility Description:	Not soluble in cold water	Evaporation Rate:	None.
Boiling Point:	Not Established	Flash Point:	176°C(350°F)
Specific Gravity (Water=1):	0.88-0.89 at 20°C	Flash Point Method:	TCC
Vapor Density (air=1):	Not Established	Auto Ignition Temperature (°C):	Not Established
V.O.C. Content:	0%, 0 g/L	Partition Coefficient (oct/water):	<1`
Flammable limits (estimated):	Not Established	Viscosity:	Not Established
pH:	Not applicable	Odor threshold	Not Established
Decomposition Temperature	Not Established	Volatiles:	0%

Section 10 – Chemical Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Oxidizing agents.
Incompatibility:	Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	These products are carbon oxides (CO, CO2).
Hazardous Polymerization:	Will not occur.

Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

An acute toxicity study of this product has not been conducted.

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.

Section 12 • Ecological Information

Mobility:	Readily absorbed into soil.	Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	No bioaccumulation potential	Other adverse effects:	None known.



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Section 13 • Disposal Considerations

Waste Status: This product, as sold, does not meet the definition of a RCRA hazardous waste.

Disposal: Waste must be disposed of in accordance with federal, state, provincial 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.

Section 14 • Transport Information

This item is not regulated under any mode of transportation.

Section 15 • Regulatory information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): None

Toxic Substances Control Act (TSCA): All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III

SARA Section 311/312 (40 CFR 370) Hazard Categories: None

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): No individual section 313 component is present at or above 1%

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

New Jersey Right to Know: Methyl Ester of Soybean Oil 67784-80-9 • Oxidized Fatty Ester 68990-79-4 • Methyl Oleate 67762-26-9 • Proprietary Fatty Acid NJTS 254504001-5103 • Tolyltriazole 29385-43-1

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm.

California and OTC States: This product is not regulated by consumer regulations.



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International Regulations

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

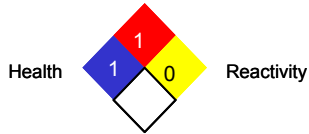
Canadian Workplace Hazardous Materials Information System (WHMIS):

This product is not WHMIS Controlled.

Other Regulations

Montreal Protocol listed ingredients: None.
 Stockholm Convention listed ingredients: None.
 Rotterdam Convention listed ingredients: None.
 RoHS Compliant: Yes.

Section 16 • Other Information

MSDS# 44220 Responsible Name: Clea Johnson Regulatory Affairs Coordinator	HMIS 1996		HMIS III		NFPA Flammability  Health Reactivity
	Health:	1	Health:	[/]1	
	Flammability:	1	Flammability:	1	
	Reactivity	0	Physical Hazard:	0	

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.

Clea Johnson, Regulatory Affairs Coordinator
 LPS Laboratories, A division of Illinois Tool Works