



MATERIAL SAFETY DATA SHEET
LPS® Tapmatic® Natural

Revision Date: August 24, 2011

Supersedes: September 15, 2008

Section 1 • Product and Company Identification

Product Name: LPS® Tapmatic® Natural

Part Number(s): 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 Road, Tucker, GA, USA 30084
TEL: USA & Canada: 1 800 241-8334
Outside USA and Canada: +1 770 243-8800
FAX: USA & Canada: 1 800 543-1563
Outside USA and Canada: +1 770 243-8899

Emergency Telephone Number: Chemtrec: USA & Canada: 1 800 424-9300
Outside USA and Canada: +1 703 527-3887

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

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:

Aerosol: Not applicable

Bulk: 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 ACGIH: No

Mutagenic Effects: None

Teratogenic Effects: None

Target Organs: None



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Medical conditions aggravated by exposure:
None known from normal exposure.

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	Weight Percent
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No hazardous ingredients are present at or above 1%.
This product is not WHMIS controlled.

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.

General Fire Hazards: High heat will cause product to boil, evolving vapor that could cause explosive rupture of closed containers.

Firefighting media: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use CO₂, water spray, fog or foam.

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.

Special Remarks on Explosion Hazards:
None



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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 a 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.

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 between 40°F and 120°F (4.4°C and 49°C). Keep out of reach of children.
- Precautions to be taken in handling and storage:**
Store all materials in a dry, well-ventilated area. Avoid breathing vapors.

Section 8 • Exposure Controls / Personal Protection

- Engineering Controls:** Normal room ventilation is usually adequate. If necessary, provide general and/or local exhaust ventilation to keep exposures below 5 mg/m³ oil mist in air 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 sprayed for an extended period, "overspray" onto skin may occur. If so, wear chemical resistant gloves 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 an appropriate respiratory protection (i.e., organic vapor cartridge).
- General Hygiene** 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:	Spice	Evaporation Rate:	None
Solubility Description:	Not soluble in cold water	Flash Point:	176°C (350°F)
Boiling Point:	Not established	Flash Point Method:	Tag-Closed Cup
Specific Gravity (H ₂ O=1):	0.88 - 0.89 @ 20°C	Decomposition Temperature:	Not established
Vapor Density (air = 1):	Not established	Auto ignition temperature:	Not established
Vapor Pressure:	Not established	Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.
Rule 1171 PPc:	Not established	Partition Coefficient (octanol/water):	< 1
V.O.C. Content:	Aerosol: Not applicable Bulk: 0% per State & Federal Consumer Product Regulations	Odor Threshold:	Not established
Melting Point:	Not established	Viscosity:	Not established
pH:	Not applicable	Volatiles:	0%
Heat of combustion:	Aerosol: Not applicable Bulk: Not established		

Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	No specific measures to avoid.
Incompatibility:	Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	These products are carbon oxides (CO, CO ₂).
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. Information given in this section relates only to individual constituents contained in this

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

B: Component Analysis

None



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Section 12 • Ecological Information

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

Section 13 • Disposal Considerations

Waste Status: In its purchased form, this material does not meet the definition of a RCRA hazardous waste (40 CFR 261).

Disposal: Waste must be disposed of in accordance with any and all applicable environmental control rules and/or 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 product is not regulated by any mode of transportation.

The preceding information is subject to change and must be verified prior to shipment. It is the responsibility of anyone offering hazardous materials for shipment to ensure compliance with all applicable regulations.

Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response, Compensation 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

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

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

New Jersey Right to Know:

Aerosol: Not applicable
Bulk: Methyl Ester of Soybean Oil 67784-80-9 • Oxydized Fatty Ester 68990-79-4 • Methyl Oleate 67762-26-9 • Proprietary Fatty Acid NJ TS RN 254504001-5103 • Tolyltriazole 29385-43-1



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International Regulations

Canadian Environmental Protection Act (CEPA):

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 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.

WHMIS Classification:
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 MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS 1996		HMIS III		NFPA Flammability  Health Reactivity Special
	Health:	1	Health:	[/] 1	
	Flammability:	1	Flammability Aerosol:	NA	
			Flammability Bulk:	1	
	Reactivity:	0	Physical Hazard Aerosol:	NA	
			Physical Hazard Bulk:	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.

Elena Badiuzzi, Compliance Manager
LPS Laboratories, a division of Illinois Tool Works