



MATERIAL SAFETY DATA SHEET

LPS® Tapmatic® AquaCut

Revision Date: July 20, 2011

Supersedes: July 29, 2008

Section 1 • Product and Company Identification

Product Name: LPS® Tapmatic® AquaCut

Part Number(s): 01216, 01228, 01205, 01255, C01216, C01228, C01205, C01255

Chemical Name: Blended Compound

Product Use: A water-based cutting fluid designed for use on steel, aluminum and other metals except magnesium.

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 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.

Potential Acute Health Effects:

Eyes: Irritating to eyes.

Skin: Repeated exposure may cause skin dryness or defatting of the skin.

Inhalation: Excessive inhalation of vapors can cause irritation of the respiratory tract.

Ingestion: Not a likely route of exposure. Ingestion may result in nausea, abdominal discomfort or diarrhea.

Potential Chronic Health Effects:

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

Mutagenic Effects: None

Teratogenic Effects: None

Target Organs: None

Medical conditions aggravated by exposure:

None known from normal exposure.

Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis).

Section 3 • Composition / Information on Ingredients

Component	CASRN	Weight Percent
Proprietary Alkanolamine	NJ TS RN 254504001-5144	1 - 3%
Proprietary Polyether Phosphate	NJ TS RN 800967-5555P	0.1 - 1.0%

Any remaining ingredients are not classified as "hazardous" per 29 CFR 1910.1200 Subpart Z.

Section 4 • First Aid Measures

Eyes:	Check for and remove contact lenses. Immediately, 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.
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 or if chemical burns are present.
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. If conscious, give 2 to 3 glasses of water. 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		

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:	Contain and recover spilled material when possible.	
Evacuation Procedures:	Ventilate area of leak or spill. Keep unnecessary and unprotected people away.	
Special Procedures:	Ventilate area. Wear personal protective equipment during cleanup.	

Section 7 • Handling and Storage

Handling:	Avoid contact with skin and eyes. Wash thoroughly after handling.
Storage:	Keep container sealed until ready for use. Keep container in a cool, well-ventilated area. Store between 40°F and 120°F (4.4°C and 49°C).
Precautions to be taken in handling and storage:	Store all materials in a dry, well-ventilated area.

Section 8 • Exposure Controls / Personal Protection

Exposure Guidelines:

Component	CASRN	OSHA	ACGIH	NIOSH	Supplier
Proprietary Alkanolamine	NJ TS RN 254504001-5144	Not established	Not established	Not established	None reported
Proprietary Polyether Phosphate	NJ TS RN 800967-5555P	Not established	Not established	Not established	None reported

Engineering Controls: Provide general and/or local exhaust ventilation to keep exposures below the exposure guidelines listed above.

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, using chemical resistant gloves is recommended.

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

Section 9 • Physical and Chemical Properties

Appearance:	Liquid	Color:	Clear, turquoise
Odor:	Cinnamon	Evaporation Rate:	1 (H ₂ O = 1)
Solubility Description:	100% in water	Flash Point:	None
Boiling Point:	100°C (212°F)	Flash Point Method:	Tag-Closed Cup
Specific Gravity (H₂O=1):	0.99 - 1.01 @ 20°C	Decomposition Temperature:	Not established
Vapor Density (air = 1):	~0.6	Auto ignition temperature:	> 1
Vapor Pressure:	~ 18 mm Hg @ 20°C	Flammable limits (estimated):	LOWER: None UPPER: None
Rule 1171 PPc:	Not applicable	Partition Coefficient (octanol/water):	> 1
V.O.C. Content:	Aerosol: Not applicable Bulk: 0%, 0 g/L, 0 lb/gal	Odor Threshold:	Not established
Melting Point:	Not established	Viscosity:	Not established
pH:	8.0 - 9.0	Volatiles:	95%
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:	Avoid freezing and high temperatures. Avoid substances that react with water.
Incompatibility:	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

B: Component Analysis

Component	CASRN	LC-50	LD-50
Proprietary Alkanolamine	NJ TS RN 254504001-	Not established	8680 mg/kg / oral / rat* 20,000 mg/kg / dermal / rabbit*
Proprietary Polyether Phosphate	NJ TS RN 800967-5555P	Not established	> 5000 mg/kg / oral / rat* > 2000 mg/kg / dermal / rabbit*

* Supplier Data

Section 12 • Ecological Information

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

Ecological studies have not been conducted for this product. The following information is available for component(s) of this product.

Ecotoxicity

Effects on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	Proprietary Polyether Phosphate	NJ TS RN 800967-5555P	Acute LC50	Freshwater Fish	100 - 1000 mg/L*
Acute Toxicity on Daphnia	Proprietary Polyether Phosphate	NJ TS RN 800967-5555P	Acute EC50	Freshwater Invertebrates	100 - 1000 mg/L*
Bacterial Inhibition	No data available				
Growth inhibition of algae	Proprietary Polyether Phosphate	NJ TS RN 800967-5555P	Acute EC50	Unspecified Algae	10 - 100 mg/L*
Bioaccumulation in fish	No data available				

* Supplier Data

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: Water 7732-18-5 • Propylene Glycol 57-55-6 • Proprietary Alkanolamine NJ TS RN 254504001-5144 • Proprietary Polyether Phosphate NJ TS RN 800967-555P • C10 - C16 Ethoxilated Alcohol 68002-97-1

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:


Bulk: Class D2B



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#: 11216 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:	0	Flammability Aerosol:	NA	
	Reactivity:	0	Flammability Bulk:	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