



MATERIAL SAFETY DATA SHEET

Tapmatic® Edge Liquid

Revision 3

Revision Date 7/30/08

Supersedes: 1/31/00

Section 1 • Product and Company Identification

Product Name:	Tapmatic® Edge Liquid
Part Number:	43020,43030,43040,43060, C43020,C43030,C43040,C43060
Chemical Name:	Blended Compound
Product Use:	A metal-cutting fluid designed as a lubricant for metal cutting and forming applications.
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

Tapmatic® Edge Liquid is an industrial chemical designed as a lubricant for metal cutting and forming applications. It is a biodegradable cutting fluid for high-efficiency applications on all metals. It has a low toxicity but can be irritating to eyes and skin. Wear protective eyewear while using it and avoid prolonged skin exposure. If the product soaks clothing (and even shoes), remove the affected clothing and launder it before wearing it again. For more exposure and first aid information, refer to SDS Sections 2, 3, 8 and 11.

Flammability

Tapmatic® Edge Liquid is non-flammable having a flash point above 330°F. For more information on flammability, refer to MSDS section 5.

Disposal

If you spill Tapmatic® Edge Liquid, notify the proper environmental or safety department at your company right away. If TAPMATIC EDGE LIQUID becomes contaminated with another substance and is rendered unusable, the resulting mixture may fall under at least one hazardous classification. See section 13 for more details.



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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: CAUTION: May be an eye irritant.

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 cracking.

Inhalation: Low order of toxicity, but may irritate respiratory system.

Ingestion: Not a likely route of exposure. Ingestion may result in nausea, abdominal discomfort, or diarrhea. If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No OSHA: No ACGIH: No

Mutagenic Effects: None

Teratogenic Effects: None

Target Organs: None

Medical conditions aggravated by exposure: None known at this time.

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
Alcohols, C10-16,ethoxylated	68002-97-1	3 – 7%



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Section 4 • First Aid Measures

- 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.
- 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.

Section 5 • Fire Fighting Measures

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, auto ignition 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.

Section 6 • Accidental Release Measures

Containment Procedures Contain and recover spilled liquid when possible.

Clean-Up 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.

Evacuation Procedures Ventilate area of leak or spill. Keep unnecessary and unprotected people away.

Special Procedures Ventilate area. Wear appropriate protective equipment during cleanup.



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Section 7 – Handling and Storage

Handling: Avoid contact with skin. Wash thoroughly after handling.

Storage: Keep containers sealed until ready for use. Avoid excessive long-term storage temperatures to prolong shelf life. Keep container in a cool, well-ventilated area. Store below 120°F.

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

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines:

Component	CASRN	OSHA TWA-PEL	OSHA STEL	ACGIH-TLV	ACGIH-STEL	NIOSH REL
Alcohols, C10-16,ethoxylated	68002-97-1	Not Established	Not Established	Not Established	Not Established	Not Established

Engineering measures Provide general and/or local exhaust ventilation to keep exposures below the exposure guidelines.

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 (i.e., nitrile) is recommended.

Respiratory protection Typical use of this product under normal conditions does not require the use of respiratory protection. If necessary use NIOSH approved 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, light yellow
Odor/Taste:	Fatty	Vapor Pressure:	Not Established
Solubility Description:	Slight solubility in water	Evaporation Rate:	Nil
Boiling Point:	Not Established	Flash Point (°C):	170°C (338°F)
Specific Gravity (Water=1):	0.85-0.87 @ 20 °C	Flash Point Method:	Tag-Closed Cup.
Vapor Density (air=1):	Not Established	Auto Ignition Temperature (°C):	Not Established
V.O.C. Content:	0 g/L	Partition Coefficient (octanol/water):	<1
Flammable limits (estimated):	LOWER: NE UPPER: NE	Viscosity:	Not Established
pH:	Not applicable	Odor threshold:	Not Established
Melting Point:	Not Established	Volatiles:	0%
Decomposition Temperature:	Not Established		



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Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	None.
Incompatibility:	Reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	These products are strong acids, bases, and 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 preparation.

Ingredients	CASRN	LC-50	LD-50
Alcohols, C10-16,ethoxylated	68002-97-1	Not Established	Not Established

Section 12 • Ecological Information

Mobility:	Expected to partition to sediment	Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	None expected.	Other adverse effects:	Toxic to aquatic life.

Ecotoxicity:

Effect on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	Alcohols, C10-16,ethoxylated	68002-97-1	96 hr LC ₅₀	Guppy	6.5 mg/L
Acute Toxicity on Daphnia	Alcohols, C10-16,ethoxylated	68002-97-1	48 hr EC ₅₀	Daphnia Magna	2.32 mg/L
Bacterial inhibition	No Data Available				
Growth inhibition of algae	Alcohols, C10-16,ethoxylated	68002-97-1	72 hr EbC ₅₀	S. subspicatus (algae)	2.7 mg/L
Bioaccumulation in fish	No Data Available				



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Section 13 • Disposal Considerations

Waste Status: If discarded in its purchased form, this product is not 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 product 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): This product contains no Reportable Quantity (RQ) Substances.

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:

Immediate (Acute) Health Hazard

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): None

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 reproductive harm.

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

New Jersey Right to Know:

Oleyl Alcohol 143-28-2 • C10-16 Ethoxylated Alcohol 68002-97-1 •



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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 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:

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#143020 Responsible Name: Clea Johnson Regulatory Affairs Coordinator	HMIS 1996	HMIS III	NFPA Flammability Health 1 0 0 Reactivity		
	Health:	1		Health:	[1]
	Flammability:	0		Flammability:	0
	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 L Johnson, Regulatory Affairs Coordinator
LPS Laboratories
A division of Illinois Tool Works