



MATERIAL SAFETY DATA SHEET  
LPS® Tapmatic® #1 Gold

Revision Date: January 26, 2012

Supersedes: March 27, 2009

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**Section 1 • Product and Company Identification**

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**Product Name:** LPS® Tapmatic® #1 Gold

**Part Number(s):** 40312 (aerosol), 40320, 40330, 40340, 40360, C40312 (aerosol), C40320, C40330, C40340, C40360

**Chemical Name:** Petroleum Hydrocarbons

**Product Use:** A metal-cutting fluid designed for machining a variety of metals from steel to aluminium in lower speed applications such as hand-tapping.

**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>

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**Section 2 • Hazards Identification**

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*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:** DANGER: Contents under pressure. Harmful or fatal if swallowed.

**Bulk:** DANGER: Harmful or fatal if swallowed.

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

**Potential Acute Health Effects:**

**Eyes:** Irritating to eyes.

**Skin:** Repeated exposure may cause skin dryness or cracking.

**Inhalation:** High vapor concentrations may cause headaches, dizziness, nausea and anesthetic effects.

**Ingestion:** If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. Aspiration into lungs may cause pneumonia or death.

**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 at this time. As a precaution, persons with pre-existing skin disorders should avoid contact.

**Signs and Symptoms**

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects.

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**Section 3 • Composition / Information on Ingredients**

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Component	CASRN	Weight Percent
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	70 - 80%
Dipropylene Glycol Monobutyl Ether	29911-28-2	1 - 5%
Carbon Dioxide (aerosol only)	124-38-9	1 - 5%

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**Section 4 • First Aid Measures**

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<b>Eyes:</b>	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.
<b>Skin:</b>	Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. DO NOT use ointments. Seek medical attention if irritation persists.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	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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<b>Products of Combustion:</b>	Carbon monoxide and carbon dioxide.		
<b>General Fire Hazards:</b>	High heat will cause product to boil, evolving vapor that could cause explosive rupture of closed containers.		
<b>Firefighting media:</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use CO <sub>2</sub> , water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosions.		
<b>Sensitivity to Impact:</b>	None	<b>Sensitivity to Static Discharge:</b>	None
<b>Protection Clothing (Fire):</b>	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:**

Intensive heat created by fire will cause aerosols to explode.



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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:** Ventilate area. Block the path of any flowing material using soil, gravel, or other readily available material. Absorb with dry earth, sand or other non-combustible material and dispose of properly.

**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:** Wear appropriate protective equipment during cleanup.

**Section 7 • Handling and Storage**

**Handling:** After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists. Avoid skin and eye contact.

**Storage:** 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 aerosols as Level 3 Aerosol (NFPA 30B). Store all materials in a dry, well-ventilated area. Avoid breathing vapors.

**Section 8 • Exposure Controls / Personal Protection**

**Exposure Guidelines:**

Component	CASRN	OSHA	ACGIH	NIOSH	Supplier
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	5 mg/m3 (oil mist) PEL	5 mg/m3 (oil mist) TLV 10 mg/m3 (oil mist) STEL	5 mg/m3 (oil mist) TWA 10 mg/m3 (oil mist) STEL	5 mg/m3 TWA
Dipropylene Glycol Monobutyl Ether	29911-28-2	Not established	Not established	Not established	10 mg/m3 TWA (aerosol)
Carbon Dioxide (aerosol only)	124-38-9	5000 ppm PEL	5000 ppm TLV 30000 ppm STEL	5000 ppm TWA 30000 ppm STEL	None reported



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**Engineering Controls:** Provide general and/or local exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure 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. Take into consideration the specific local conditions under which the product is used, such as the danger of the cuts, abrasion and the contact time.

**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. If there is a likelihood of splashing, oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing again. Discard soaked shoes.

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### Section 9 • Physical and Chemical Properties

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<b>Appearance:</b>	Liquid	<b>Color:</b>	Gold
<b>Odor:</b>	Petroleum	<b>Evaporation Rate:</b>	< 0.1 (BuAc = 1)
<b>Solubility Description:</b>	Not soluble in water	<b>Flash Point:</b>	149°C (300°F)
<b>Boiling Point:</b>	241°C (466°F)	<b>Flash Point Method:</b>	Cleveland Open Cup
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	0.88 - 0.90 @ 20°C	<b>Decomposition Temperature:</b>	Not established
<b>Vapor Density (air = 1):</b>	> 1	<b>Auto ignition temperature:</b>	Not established
<b>Vapor Pressure:</b>	< 0.05 mm Hg @ 20°C	<b>Flammable limits (estimated):</b>	LOWER: N.E. UPPER: N.E.
<b>Rule 1171 PPc:</b>	Not established	<b>Partition Coefficient (octanol/water):</b>	< 1
<b>V.O.C. Content:</b>	Aerosol: 0% per State & Federal Consumer Product Regulations Bulk: 0% per State & Federal Consumer Product Regulations	<b>Odor Threshold:</b>	Not established
<b>Melting Point:</b>	Not established	<b>Viscosity:</b>	< 100 cSt @ 25°C
<b>pH:</b>	Not applicable	<b>Volatiles:</b>	0%
<b>Heat of combustion:</b>	Aerosol: > 30 kJ/g Bulk: Not established		



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### Section 10 • Stability and Reactivity

<b>Chemical Stability:</b>	Product is stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Do not store near sources of intense heat.
<b>Incompatibility:</b>	Reactive or incompatible with oxidizing agents.
<b>Hazardous Decomposition:</b>	Combustion will generate smoke, possibly thick and choking, resulting in zero visibility and combustion products include carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization:</b>	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.

##### B: Component Analysis

Component	CASRN	LC-50	LD-50
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	2.18 mg/L / rat / 4 hr	> 5000 mg/kg / oral / rat
			> 2000 mg/kg / dermal / rabbit
Dipropylene Glycol Monobutyl Ether	29911-28-2	> 2.04 mg/L / rat / 4 hr*	3700 - 4400 mg/kg / oral / rat*
			5330 - 6490 mg/kg / dermal / rabbit*
Carbon Dioxide (aerosol only)	124-38-9	470000 ppm / rat / 30 minutes	Not appropriate

\* Supplier Data

### Section 12 • Ecological Information

<b>Mobility:</b>	Semi-volatile. Readily absorbed into soil.	<b>Persistence / Degradability:</b>	Only slightly biodegradable
<b>Bioaccumulative potential:</b>	No bioaccumulation potential	<b>Other adverse effects:</b>	See below

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
<b>Acute Toxicity on Fishes</b>	Dipropylene Glycol Monobutyl Ether	29911-28-2	96-hr LC50	Poecilia Reticulata	841 mg/L*
<b>Acute Toxicity on Daphnia</b>	Dipropylene Glycol Monobutyl Ether	29911-28-2	LC50	Daphnia	> 1000 mg/L
<b>Bacterial Inhibition</b>	No data available				
<b>Growth inhibition of algae</b>					
<b>Bioaccumulation in fish</b>					

\* Supplier Data

If spilled, the 64742-52-5 constituent may kill grasses and small plants by interfering with transpiration. Spilled material may coat gill structures of fish resulting in suffocation if spilled in shallow, running water. This product may be toxic to amphibians by preventing dermal respiration. This product may also cause gastrointestinal distress to birds and mammals through ingestion.



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**Section 13 • Disposal Considerations**

- Waste Status:** Aerosol cans, if depressurized and emptied to less than 1 inch (2.54 cm) of fluid contents, are classified as non-hazardous waste under 40 CFR 261.7 (U.S.). If disposed of in its received form, the aerosol product carries the waste code D003 (U.S.). If disposed of in its received form, the bulk product does not meet the classification of a RCRA hazardous waste.
- 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**

Aerosol

D.O.T. Ground	<b>Shipping Name:</b>	Consumer Commodity	<b>UN No.:</b>	NA
	<b>Hazard Class:</b>	ORM-D	<b>Technical Name:</b>	NA
	<b>Subclass:</b>	NA	<b>Hazard Label:</b>	ORM-D Already on box
	<b>Packing Group:</b>	NA		
Road/Rail - ADR/RID	<b>UN No.:</b>	1950	<b>ADR Class:</b>	2
	<b>Packing Group:</b>	NA	<b>Classification Code:</b>	5A
	<b>Name and description:</b>	AEROSOLS, asphyxiant	<b>Hazard ID No.:</b>	NA
	<b>Labeling:</b>	2.2	<b>Technical Name:</b>	NA
IMDG-IMO	<b>UN No.:</b>	1950	<b>Class:</b>	2
	<b>Shipping Name:</b>	Aerosols	<b>Subsidiary Risk:</b>	2.2
	<b>Labeling:</b>	NA	<b>Packing Group:</b>	NA
	<b>Packing Instructions:</b>	P003, LP02	<b>EmS:</b>	F-D, S-U
IATA - ICAO:	<b>UN No.:</b>	1950	<b>Class:</b>	2.2
	<b>Shipping Name:</b>	Aerosols, non-flammable	<b>Subclass:</b>	NA
	<b>Packing Instructions:</b>	203, Y203 (Ltd. Qty.)	<b>Packing Group:</b>	NA
	<b>Labeling:</b>	Non-flammable Gas	<b>Technical Name:</b>	NA

**Non-aerosol versions of this product are 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.



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Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: D003 (aerosol only)

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:  
Sudden Release of Pressure (aerosols only), Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

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 conforms to consumer product regulations.

New Jersey Right to Know:

Aerosol: Distillates (Petroleum), Hydrotreated Heavy Naphthenic 64742-52-5 • Methyl Soyate 67784-80-9 • Proprietary Additive NJTS 800967-5492P • Dipropylene Glycol Monobutyl Ether 29911-28-2 • Methyl Ester 61788-61-2 • Carbon Dioxide 128-38-9  
Bulk: Distillates (Petroleum), Hydrotreated Heavy Naphthenic 64742-52-5 • Methyl Soyate 67784-80-9 • Proprietary Additive NJTS 800967-5492P • Dipropylene Glycol Monobutyl Ether 29911-28-2 • Methyl Ester 61788-61-2

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:**  
Aerosol: Class A, Class D2B

**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




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Section 16 • Other Information

MSDS#: 40312 MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS 1996		HMIS III		Health	NFPA	
	Health: 1		Health: [ ] 1			Flammability	
	Flammability: 1		Flammability Aerosol: 4 Flammability Bulk: 1				Reactivity
	Reactivity: 0		Physical Hazard Aerosol: 2 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