# **MATERIAL SAFETY DATA SHEET**



165-053

# 1. Product and Company Identification

**Product identifier** 

LPS® Tapmatic® #1 Gold

Version #

01

Issue date

05-21-2014

CAS#

Mixture

Part Number

C40320, C40330, C40340

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, a division of Illinois Tool Works

4647 Hugh Howell Rd Tucker, Georgia 30084

United States www.lpslabs.com

1-800-241-8334/

770-243-8800 1-800-424-9300

Chemtrec

Supplier

Not available.

### 2. Hazards Identification

**Emergency overview** 

DANGER

HARMFUL OR FATAL IF SWALLOWED.

Irritating to eyes and skin.

Potential health effects

Routes of exposure

Eye contact. Skin contact. Inhalation. Ingestion.

Eyes

Avoid contact with eyes. Causes eye irritation.

Skin

Avoid contact with the skin. Causes skin irritation.

Inhalation

Prolonged inhalation may be harmful. May cause irritation of respiratory tract. Do not breathe

dust/fume/gas/mist/vapors/spray.

Ingestion

Harmful: may cause lung damage if swallowed. May be fatal if swallowed. Do not ingest.

Signs and symptoms

Skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and

blurred vision. May cause respiratory irritation.

Potential environmental effects

Ecological injuries are not known or expected under normal use.

## 3. Composition / Information on Ingredients

Hazardous components	CAS#	Percent
METHYL SALICYLATE	119-36-8	0.1 - 1
Non-hazardous components	CAS#	Percent
Petroleum Oil	64742-52-5	70 - 80
Methyl Ester of Soybean Oil	67784-80-9	10 - 20
Dipropylene Glycol Monobutyl Ether	29911-28-2	1 - 5
Methyl Oleate	67762-26-9	1 - 5

#### 4. First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing

difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

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Ingestion

Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs,

keep head low so that stomach content doesn't get into the lungs.

Notes to physician

Provide general supportive measures and treat symptomatically.

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. Call a POISON CENTER or doctor/physician if you feel unwell.

## 5. Fire Fighting Measures

Flammable properties

Not flammable by WHMIS criteria.

Extinguishing media

Suitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Fire fighting

equipment/instructions

Not available.

Explosion data

Sensitivity to static

discharge

None known.

Sensitivity to mechanical

impact

None known.

Hazardous combustion

products

May include oxides of carbon.

#### 6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. For personal protection, see section 8 of the MSDS.

**Environmental precautions** 

Do not contaminate water.

Methods for containment Methods for cleaning up

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the MSDS.

#### 7. Handling and Storage

Handling

Avoid release to the environment.

Storage

Store in original tightly closed container. Store away from incompatible materials (see Section 10

of the MSDS).

### 8. Exposure Controls / Personal Protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

**Biological limit values** 

No biological exposure limits noted for the ingredient(s).

**Engineering controls** 

Not available.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Wear suitable protective clothing.

Respiratory protection

No personal respiratory protective equipment normally required.

### 9. Physical & Chemical Properties

**Appearance** 

Liquid.

Physical state

Liquid.

**Form** 

Liquid.

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MSDS CANADA

Color

Gold.

Odor

Slight petroleum odor

< 0.05 mm Hg @ 20℃

Odor threshold

Not established

pН

Vapor pressure

Not applicable

Vapor density

> 1 (air = 1)

**Boiling point** 

465.8 °F (241 °C)

Melting point/Freezing point

Not established

Solubility (water)

Not soluble

Specific gravity

Relative density

0.88 - 0.9 @20℃ Not available.

Flash point

300.2 °F (149.0 °C) Cleveland Open Cup

Flammability limits in air, upper, % by volume

Not established

Flammability limits in air.

lower, % by volume

Not established Not established

**Auto-ignition temperature** VOC

0 % per US State & Federal Consumer Product Regulations

**Evaporation rate** 

< 0.1 BuAc

**Viscosity** 

< 20 mm2/s

Percent volatile

0%

Partition coefficient

< 1

(n-octanol/water)

Other data

Decomposition

Not established

temperature

Heat of combustion

Not established

# 10. Chemical Stability & Reactivity Information

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition

products

Carbon oxides.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

# 11. Toxicological Information

# Toxicological data

Components	Species	Test Results	
Dipropylene Glycol Monobu	tyl Ether (CAS 29911-28-2)	- Annual Control of the Control of t	
Acute	,		
Dermal			
LD50	Rat	> 2000 mg/kg	
Inhalation		0 0	
LC50	Rat	> 42.1 ppm	
		> 2.04 mg/l	
Oral		-	
LD50	Mouse	2160 mg/kg	
	Rat	2000 - 3000 ml/kg	
		1820 - 2730 mg/kg	

Components	Species	Test Results		
Methyl Oleate (CAS 67	762-26-9)			
Acute				
Dermal				
LD50	Rabbit	> 2000 mg/kg		
Oral				
LD50	Rat	> 5000 mg/kg		
METHYL SALICYLATE	(CAS 119-36-8)			
Acute				
<i>Dermal</i> LD50	Cuiman min	700 4		
LD30	Guinea pig	700 mg/kg		
		0.7 ml/kg		
	Rabbit	> 5000 mg/kg		
	Rat	>= 2500 mg/kg		
Inhalation				
LC50	Mouse	> 400 mg/m3		
	Rat	> 114 mg/m3		
		> 0.9 mg/l		
Oral				
LD50	Dog	2100 mg/kg		
		2.1 g/kg		
	Guinea pig	700 mg/kg		
	Mouse	580 mg/kg		
	Rabbit	1300 mg/kg		
	Rat	887 mg/kg		
Other		0.887 g/kg		
LD50	Mouse	890 mg/kg		
Petroleum Oil (CAS 647		690 mg/kg		
Acute	42-32-3)			
Dermal				
LD50	Rabbit	> 2000 mg/kg		
Inhalation		2 2000 mg/ng		
LC50	Rat	> 2.5 mg/l		
Oral	•	3		
LD50	Rat	> 2000 mg/kg		
Acute effects	May be barmful if availaged Me	• •		
		May be harmful if swallowed. May be fatal if swallowed and enters airways.		
Sensitization		Not available.		
ocal effects	= •	Irritating to eyes and skin.		
Chronic effects	•	Prolonged inhalation may be harmful.		
Carcinogenicity		This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.		
Skin corrosion/irritatio		Causes skin irritation.		
Serious eye damage/ir		Causes serious eye irritation.		
Mutagenicity	No data available to indicate pro mutagenic or genotoxic.	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genetoxic		
Reproductive effects		cause reproductive or developmental effects.		
		Not available.		

Symptoms and target organs

Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Exposure may cause temporary irritation, redness, or discomfort.

Synergistic materials

Not available.

### 12. Ecological Information

Ecotoxicological data

No ecotoxicity data noted for the ingredient(s).

**Ecotoxicity** 

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Environmental effects** 

Ecological injuries are not known or expected under normal use.

Aquatic toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

Not inherently biodegradable.

**Partition coefficient** 

METHYL SALICYLATE

2.55

Mobility in environmental

media

Readily absorbed into soil.

Other adverse effects

None known.

### 13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

**TDG** 

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

### 15. Regulatory Information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Controlled

WHMIS classification

D2B - Other Toxic Effects-TOXIC

WHMIS labeling

**WHMIS status** 



#### International Inventories Country/ol or real-

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region

Inventory name

On inventory (yes/no)\*

Japan Korea

Inventory of Existing and New Chemical Substances (ENCS)

New Zealand

Existing Chemicals List (ECL)

Yes

**Philippines** 

New Zealand Inventory

No

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

No

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### 16. Other Information

**Disclaimer** 

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by

Not available.