1. Identification

Product identifier LPS® Tapmatic® Natural

Other means of identification

Part Number 44220, 44230, 44240

Recommended use A general purpose, industrial cutting fluid designed for cutting and machining steel, aluminum and other types of metals.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name LPS Laboratories, a division of Illinois Tool Works, Inc.
Address 4647 Hugh Howell Rd.
Tucker, GA 30084
Country (U.S.A.)
Tel: +1 770-243-8800
In Case of Emergency

1-800-424-9300 (inside U.S.)
+001 703-527-3887 (outside U.S.)

Website www.lpslabs.com
E-mail sds@lpslabs.com

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.
Response Wash hands after handling.
Storage Store away from incompatible materials.
Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Not applicable.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Oleate</td>
<td></td>
<td>67762-26-9</td>
<td>5 - &lt; 10</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

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

Eye contact Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth thoroughly. Get medical attention if symptoms occur. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

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

5. Fire-fighting measures

Suitable extinguishing media

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

Unsuitable extinguishing media

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

Specific hazards arising from the chemical

No unusual fire or explosion hazards noted.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Specific methods

Move containers from fire area if you can do so without risk.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. 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.

Environmental precautions

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

7. Handling and storage

Precautions for safe handling

Avoid contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended.

Skin protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Chemical resistant gloves are recommended.

Other

Avoid contact with the skin. Wear suitable protective clothing and gloves. Chemical resistant gloves.

Respiratory protection

Do not breathe dust/fume/gas/mist/vapors/spray. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

None known.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Liquid.

Physical state

Liquid.

Form

Liquid.

Color

Green
Odor: Spice
Odor threshold: Not established
pH: Not applicable
Melting point/freezing point: Not established
Initial boiling point and boiling range: Not established
Flash point: 348.8 °F (176.0 °C) Tag Closed Cup
Evaporation rate: None
Flammability (solid, gas): Not available.
Upper/lower flammability or explosive limits
  Flammability limit - lower (%): Not established
  Flammability limit - upper (%): Not established
  Explosive limit - lower (%): Not available.
  Explosive limit - upper (%): Not available.
Vapor pressure: Not established
Vapor density: Not established
Relative density: Not available.
Solubility(ies)
  Solubility (water): Not soluble in cold water
Partition coefficient (n-octanol/water): > 1
Auto-ignition temperature: Not established
Decomposition temperature: Not established
Viscosity: Not established
Other information
  Heat of combustion: Not established
  Percent volatile: 0 %
  Specific gravity: 0.88 - 0.89 @ 20°C
  VOC (Weight %): 0 % per US State and Federal Consumer Product Regulations

10. Stability and reactivity
Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: This product may react with oxidizing agents. Avoid high temperatures.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Carbon oxides.

11. Toxicological information
Information on likely routes of exposure
  Ingestion: May cause discomfort if swallowed.
  Inhalation: May cause irritation to the respiratory system.
  Skin contact: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
  Eye contact: May be irritating to eyes.
Symptoms related to the physical, chemical and toxicological characteristics
  Direct contact with eyes may cause temporary irritation.
Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.
### Components

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Oleate (CAS 67762-26-9)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Acute

- **Dermal**
  - LD50: Rabbit > 2000 mg/kg

- **Oral**
  - LD50: Rat > 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization

- **Respiratory sensitization**
  - Based on available data, the classification criteria are not met.

- **Skin sensitization**
  - Based on available data, the classification criteria are not met.

- **Germ cell mutagenicity**
  - No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Chronic effects

Prolonged or repeated contact may cause drying, cracking, or irritation.

#### Further information

This product has no known adverse effect on human health.

### 12. Ecological information

#### Ecotoxicity

Not expected to be harmful to aquatic organisms.

#### Persistence and degradability

Expected to biodegrade.

#### Bioaccumulative potential

Not available.

- **Partition coefficient n-octanol / water (log Kow)**
  - LPS® Tapmatic® Natural > 1

#### Mobility in soil

Readable absorbed into soil.

#### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

- **Disposal instructions**
  - Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

- **Local disposal regulations**
  - Dispose in accordance with all applicable regulations.

- **Hazardous waste code**
  - The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

- **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

- **DOT**
  - Not regulated as dangerous goods.

- **IATA**
  - Not regulated as dangerous goods.

- **IMDG**
  - Not regulated as dangerous goods.

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
  - Not available.
15. Regulatory information

US federal regulations
- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
  Not regulated.
- CERCLA Hazardous Substance List (40 CFR 302.4)
  Not listed.
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
  Not listed.
- SARA 304 Emergency release notification
  Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance
- No

SARA 311/312 Hazardous chemical
- No

SARA 313 (TRI reporting)
- Not regulated.

Other federal regulations
- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
  Not regulated.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
  Not regulated.
- Safe Drinking Water Act (SDWA)
  Not regulated.

US state regulations
- US. Massachusetts RTK - Substance List
  Not regulated.
- US. New Jersey Worker and Community Right-to-Know Act
  Not regulated.
- US. Pennsylvania RTK - Hazardous Substances
  Not regulated.
- US. Rhode Island RTK
  Not regulated.
- US. California Proposition 65
  Not listed.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
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<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
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<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
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<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
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</tbody>
</table>

* 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, including date of preparation or last revision

<table>
<thead>
<tr>
<th>Issue date</th>
<th>10-08-2013</th>
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<td>NFPA ratings</td>
<td>Health: 1</td>
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<td>Flammability: 1</td>
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<td></td>
<td>Instability: 0</td>
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<td>Disclaimer</td>
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