



## SAFETY DATA SHEET

### Section 1: Product and Company Identification

**Product Name:** LA-CO Premium All Purpose Cutting Oil  
**Product Code:** 73413 (1 qt.), 73414 (1 gal.), 73415 (5 gal.), 73469 (55 gal)  
**Product Use:** Cutting Oil  
**Manufacturer:** LA-CO Industries, Inc.  
1201 Pratt Boulevard  
Elk Grove Village, IL.  
60007-5746  
E-mail Contact: customer\_service@laco.com  
**Phone Number:** (847) 956-7600  
**Fax:** (847) 956-9885  
**24-hour Emergency:** CHEMTREC: (800) 424-9300

### Section 2: Hazards Identification

Protective Clothing	NFPA Rating (USA)	EU Classification	WHMIS (Canada)	Transportation
		Not Classified as Dangerous	Not Controlled	Not Regulated

**Emergency Overview:** Product may burn when heated or if involved in a fire. Prolonged contact with skin may cause irritation. Contact with the eyes may cause mild irritation.

**Appearance, Color and Odor:** black colored liquid with a bland odor.

USA: This product is not a hazardous material as defined by 29 CFR1910.1200, OSHA Hazard Communication Standard.

Canada: This is not a controlled product under WHMIS.

European Union (EU): This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

While this product is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Potential Health Effects:** **ACUTE (short term): see Section 8 for exposure controls**

**Relevant Route(s) of Exposure:** Skin, eye contact.

**Inhalation:** Inhalation is not expected with normal use.  
Extreme heating of the product can release irritating vapors. Mists generated during use may cause irritation. Symptoms of irritation include coughing, sneezing, nasal discharge, headache, hoarseness and pain in the upper respiratory tract.

**Ingestion:** Components of the product have low oral toxicity. May cause nausea, vomiting and diarrhea if swallowed.

**Skin:** Prolonged contact with the skin may cause mild irritation and defatting of the skin.

**Eye:** Direct eye contact causes mild irritation.

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### Section 2: Hazards Identification (continued)

**CHRONIC (long term):** see Section 11 for additional toxicological data

Prolonged or repeated skin contact may cause dermatitis.

**Medical Conditions Aggravated by Exposure:** Skin contact may aggravate an existing dermatitis.

**Interactions With Other Chemicals:** May react with strong oxidizing agents.

**Potential Environmental Effects:** Not available

### Section 3: Composition / Information on Ingredients

#### Hazardous Ingredients:

Chemical Name	CAS No.	Wt.%	EINECS / ELINCS	Symbol	Risk Phrases
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	100	265-155-0		Not applicable contains <3% DMSO extract by IP 346

### Section 4: First Aid Measures

**Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.

**Eye Contact:** If irritation occurs, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

**Skin Contact:** If irritation does occur, wash with soap and lukewarm, gently flowing water. If irritation persists, obtain medical advice.

**Ingestion:** Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Quickly transport victim to an emergency care facility.

### Section 5: Fire Fighting Measures

**Flammable Properties:** Product can burn if strongly heated. Liquid can float on water and may travel to distant locations and/or spread fire.

**Suitable extinguishing Media:** Carbon dioxide, dry chemical powder, appropriate foam, water fog. Foam manufacturers should be consulted for recommendations regarding types of foams and application rates.

**Unsuitable extinguishing Media:** Straight water streams may cause spattering of hot, combustible liquid and may spread the fire.

#### Explosion Data:

**Sensitivity to Mechanical Impact:** Not applicable

**Sensitivity to Static Discharge:** Not available

**Specific Hazards arising from the Chemical:** Thermal decomposition products are highly dependent on fire conditions. During a fire, irritating and/or toxic substances, such as sulfur, nitrogen and phosphorus oxides, reactive hydrocarbons and polycyclic aromatic hydrocarbons (PAHs). Containers may rupture violently when exposed to fire or excessive heat for sufficient time.

**Protective Equipment and precautions for firefighters:** Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel. Move containers from fire area if you can do it without risk.

NFPA

Health: 1  
Flammability: 1  
Instability: 0



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### Section 6: Accidental Release Measures

<b>Personal Precautions:</b>	Wear adequate personal protective equipment as indicated in Section 8. Spilled product may pose a slipping hazard.
<b>Environmental Precautions:</b>	Minimize entry of material into sewers and drainage systems.
<b>Methods for Containment:</b>	Contain spill immediately using a suitable inert absorbent material.
<b>Methods for Clean-up:</b>	Scrape or scoop product and absorbent and place in a secure container for proper disposal.

### Section 7: Handling and Storage

<b>Handling:</b>	Avoid contact with eyes and skin; do not breathe in fumes or mists. Wash thoroughly with detergent and water after handling, before eating, drinking, smoking or using the toilet. Remove contaminated clothing and wash before reuse. Keep out of reach of children.
<b>Storage:</b>	Store in a cool, dry area, out of direct sunlight and away from heat, flames and ignition sources. Store away from strong oxidizing materials. Keep containers closed when not in use.

### Section 8: Exposure Controls/Personal Protection

#### Exposure Guidelines

Some component substances in this preparation have Occupational Exposure Limits/Guidelines. Exposure to airborne component substances is not expected with anticipated conditions of use. Consult local authorities for acceptable exposure limits.

<u>Ingredient</u>	<u>ACGIH TLV</u> <u>(8-hr. TWA)</u> <u>mg/m<sup>3</sup></u>	<u>U.S. OSHA PEL</u> <u>(8-hr. TWA)</u> <u>mg/m<sup>3</sup></u>	<u>Ontario(Canada) TWAEV</u> <u>mg/m<sup>3</sup></u>
Mineral Oil, mist	5	5	5 10 STEV

#### Exposure Controls

<b>Engineering Controls:</b>	If product is heated or if a mist is formed during use, provide adequate exhaust ventilation to keep airborne concentrations below the exposure limits listed above.
<b>Personal Protection:</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 529 or Canadian Standards Association (CSA) Standard Z94.4-02 must be followed whenever workplace conditions warrant a respirator's use.
<b>Respiratory Protection:</b>	Not required for normal use.
<b>Eye/Face Protection:</b>	Wear safety glasses with side shields.
<b>Skin Protection:</b>	Wear protective gloves made of neoprene rubber or other material resistant to petroleum distillates. Wear boots, apron and body-covering clothing when needed to prevent skin contact.
<b>Other Protective Equipment:</b>	Not required for normal use.
<b>General Hygiene Measures:</b>	Avoid breathing fumes generated from heated product. Do not eat, drink or smoke in work areas. Wash hands after handling this product.

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### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid	<b>Flash Point &amp; method:</b>	150°C (300°F)
<b>Appearance, Color and Odor:</b>	Black, bland odor	<b>Autoignition Temperature:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Flammability Limits in Air:</b>	Not available
<b>pH:</b>	Not applicable	<b>Vapor Pressure:</b>	<0.001 mm Hg @20°C (68°F)
<b>Relative density: (water = 1)</b>	0.89	<b>Vapor Density: (Air = 1)</b>	>5.0
<b>Partition coefficient: (n-octanol/water)</b>	Not available	<b>Evaporation Rate: (n-Butyl Acetate = 1)</b>	Not available
<b>Solubility:</b>	Insoluble in water.	<b>Boiling Point/Range:</b>	>260°C (>500°F)
<b>Viscosity:</b>	108.2 SUS @ 37°C (100°F)	<b>Melting Point:</b>	Not available
<b>Decomposition Temperature:</b>	Not available	<b>VOC Content:</b>	Not available

### Section 10: Stability and Reactivity

<b>Chemical Stability:</b>	Stable at normal room temperature.
<b>Conditions to Avoid:</b>	Avoid extreme heat and open flames.
<b>Incompatible Materials:</b>	Incompatible with strong oxidizers.
<b>Hazardous Decomposition Products:</b>	When heated to decomposition irritating and toxic vapors may be generated.
<b>Possibility of Hazardous Reactions:</b>	Not available

### Section 11: Toxicological Information

#### Acute Toxicity Data

	<b>LD<sub>50</sub> Oral (mg/kg)</b>	<b>LD<sub>50</sub> Dermal (mg/kg)</b>	<b>LC<sub>50</sub> Inhalation (4 hrs.)</b>
Distillates (petroleum), hydrotreated heavy naphthenic	>5 000 (rat)	>2 000 (rabbit)	2 180 mg/m <sup>3</sup> (rat)

#### Other Toxicity Data:

##### Carcinogenicity:

Distillates (petroleum), have less than 3% DMSO extract as measured by IP 346. This product is not required to be labeled according to the European Directive 67/548/EEC.  
Normal use of this product will not result in exposure to any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists, OSHA or NTP (National Toxicology Program).

##### Irritation:

Normal use may cause mild skin irritation in some individuals.  
In a study conducted according to OECD guidelines, application of 0.5 mL undiluted hydrotreated heavy naphthenic distillate to intact or damaged skin for 24 hours caused very mild irritation in rabbits (primary dermal irritation score: 1.3/8).  
Causes mild eye irritation; irritation is expected to be reversible.  
In a study conducted according to OECD guidelines, application of 0.1 mL of undiluted hydrotreated heavy naphthenic distillate caused very mild irritation in rabbits (primary irritation score: 4.5/110 (at 1 hour); 1.3/110 (at 24 hours)). These effects reversed within 48 hours.



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### Section 11: Toxicological Information (continued)

<b>Corrosivity:</b>	Not applicable.
<b>Sensitization:</b>	In a closed patch test using guinea pigs, conducted according to OECD guidelines, hydrotreated heavy naphthenic distillate did not cause skin sensitization.
<b>Neurological Effects:</b>	Not available
<b>Genetic Effects:</b>	Not available
<b>Reproductive Effects:</b>	Not available
<b>Developmental Effects:</b>	Not available
<b>Target Organ Effects:</b>	Not available

### Section 12: Ecological Information

<b>Ecotoxicity:</b>	Petroleum distillates can have adverse effects on aquatic ecosystems.
<b>Persistence/Degradability:</b>	Product is not readily biodegradable.
<b>Bioaccumulation/Accumulation:</b>	Not available
<b>Mobility:</b>	Not available

### Section 13: Disposal Considerations

<b>Waste Disposal Method:</b>	Do NOT dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.
<b>USA:</b>	Dispose of in accordance with local, state and federal laws and regulations.
<b>Canada:</b>	Dispose of in accordance with local, provincial and federal laws and regulations.
<b>EU:</b>	Waste must be disposed of in accordance with relevant EU Directives and national, regional and local environmental control regulations. For disposal within the EU, the appropriate code according to the European Waste Catalogue (EWC) should be used.

### Section 14: Transport Information:

<b>U.S. Hazardous Materials Regulation (DOT 49CFR):</b>	Not regulated
<b>Canadian Transportation of Dangerous Goods (TDG):</b>	Not regulated
<b>ADR/RID:</b>	Not regulated
<b>IMDG:</b>	Not regulated
<b>ICAO/IATA:</b>	Not regulated



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### Section 15: Regulatory Information

#### USA

**TSCA Status:** Listed on the TSCA inventory.

**SARA Title III**

Sec. 302/304: None

Sec. 311/312: Delayed (Chronic) health effects.

Sec. 313: Not applicable

CERCLA RQ: Not applicable

#### Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the SDS contains all the information required by the *Controlled Products Regulations*.

**WHMIS Classification:** Not controlled  
(for workplace exposures)

**New Substance Notification Regulations:** All ingredients in the product are listed, as required, on Canada's Domestic Substances List (DSL).

**NPRI Substances:** Not applicable

#### EU Classification

**European Inventories:** Distillates (petroleum), hydrotreated heavy naphthenic; 265-155-0

This product is not classified as hazardous.

### Section 16: Other Information

#### **Preparation Information:**

**Prepared by:** LEHDER Environmental Services Limited 519-336-4101  
www.lehder.com

**Revision Date:** August 17, 2009

**Disclaimer:** While LEHDER Environmental Services Limited believes that the data set forth herein is accurate, as of the date hereof, LEHDER makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.

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