



## Spray: Roller Chain Aerosol Lubricating Oil

### **SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

**Product Identification:** Spray: Roller Chain – 8.1 oz (230 grams)  
Aerosol Lubricating Oil

**Supplier Identification:** Davley Darmex Lubricants  
7370 Bramalea Rd., Unit 38, Mississauga, Ontario, Canada L5S 1N6  
Phone: (905) 795-1150 Fax: (905) 795-1151 Toll Free: 1-800-361-9458  
Email: sales@davley-darmex.com  
Hours: Monday to Friday, 8:00AM – 5:00PM EDT

**MSDS Print Date:**

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### **SECTION 2 – COMPONENT DATA**

This product is a liquid that is insoluble in water. Direct eye contact may cause minor, short-term irritation. Short-term skin exposure is not expected to be irritating. Inhalation and ingestion are not anticipated routes of exposure during normal conditions of use.

HMIS Rating: Health: 2 Flammability: 4 Reactivity: 0 PPE: X

Components listed in this section may contribute to the potential hazards associated with exposure to the concentrate. The product may contain additional non-hazardous or trade secret components.

	<b>Cas#</b>	<b>%</b>	<b>Exposure Limit</b>	<b>LD/50-Route-Species</b>	<b>LC/50-Route-Species</b>
Toluene	108-88-3	5 - 10	50 ppm	>5000 mg/kg-Oral-Rat	8000 ppm (4h)-Inhale-Rat
Isobutene	75-28-5	10 - 30	1000 ppm	Not Applicable	142,500 ppm(4h)-Inhale-Rat
Min. Spirits	64742-47-8	1 - 5	100 ppm	5000 mg/kg-Oral-Rat	1400 mg/m3 (4h)
Propane	74-98-6	10 - 30	1000 ppm	Not Applicable	Not Available
Light Naphtha	64742-49-0	10 - 30	100 ppm	24K mg/kg-Oral-Rat	14-16K ppm(4h)-Inhale-Rat

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### **SECTION 3 – HAZARDOUS IDENTIFICATION**

#### **POTENTIAL HEALTH EFFECTS and SYMPTOMS from SHORT / ACUTE EXPOSURE:**

##### **EYE EXPOSURE**

May cause irritation.

##### **SKIN EXPOSURE**

May cause irritation.

##### **SKIN ABSORPTION**

No data available



**INHALATION**

May Cause Irritation. Propellant is a simple asphyxiant.

**INGESTION**

May cause headache, nausea, vomiting and weakness

**POTENTIAL CHRONIC HEALTH EFFECTS**

Solvents may cause defatting dermatitis

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

No further data known

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**SECTION 4 – FIRST AID MEASURES**

**EMERGENCY FIRST AID PROCEDURE:**

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention. For skin, wash thoroughly with soap and water. If affected by inhalation of vapor or spray mist, remove to fresh air. If swallowed; do not induce vomiting, get medical help.

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**SECTION 5 – FIRE FIGHTING MEASURES**

**AUTOIGNITION TEMPERATURE:** 254 – 480 °C

**SPECIAL PROCEDURES**

Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self contained breathing apparatus should be worn in a fire involving this material.

**FLAMMABILITY**

Extremely flammable under conditions including excessive heat, sparks and open flame.

Flammability Limits (% volume): 1.0% Lower Flammable Limit (% volume)

9.5% Upper Flammable Limit (% volume)

**EXTINGUISHING MEDIA**

Water, Carbon Dioxide, Dry Chemical Foam.

**EXPLOSION DATA**

Sensitivity to static discharge: Not Applicable

Sensitivity to impact: Not Applicable

**HAZARDOUS COMBUSTION PRODUCTS**

Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

**FLASH POINT**

Flash Point (Tag closed Cup): Lowest known value: Aliphatic Naphtha @ < -18°C

**AEROSOL FLAME PROJECTION**

Flame Projection: > 15cm but < 100cm

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES****CLEAN-UP MEASURES:**

**Important:** As with any spill or leak, ensure before responding that you are familiar with the potential hazards and recommendations of the MSDS. Appropriate personal protective equipment must be worn. See Section 8 of this MSDS for PPE recommendations.

If possible, safely contain the spill with dikes or other spill response equipment appropriate for petroleum or organic material releases. Take measures to prevent spreading of product. Note that while product will ignite, it will not readily burn. However, as a precaution eliminate ignition sources. Prevent from entering sewers or waterways. Large volumes may be transferred to an appropriate container for proper disposal. Small volumes or residues may be soaked up with absorbents. Spill response materials should be collected for proper disposal.

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**SECTION 7 – HANDLING AND STORAGE****HANDLING**

Keep away from heat, sparks and open flame. Contents are under pressure.

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Follow all other standard industrial hygiene practices.

Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty containers. Keep containers closed when not in use. Product residue in empty containers is combustible but will not readily burn. NOTE however, that excessive heating or cutting of empty containers may create an ignition source sufficient to start a fire and in extreme cases, cause an explosion.

**STORAGE**

Store in a cool, well-ventilated area not to exceed 50°C. Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

**ENGINEERING CONTROLS**

Ventilation – local (mechanical if used indoors on a continuous basis)

**SYNERGISTIC MATERIALS**

None known.

**SPECIAL COMMENTS**

No further data known.

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**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION****PERSONAL PROTECTIVE EQUIPMENT**

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

**EYE PROTECTION**

Chemical resistant safety glasses are recommended to prevent eye exposure.

**SKIN PROTECTION**

Chemical resistant gloves are recommended.

**RESPIRATORY PROTECTION**

If used indoors on a continuous basis, use of a cartridge type respirator (NIOSH / MSHATC 23C or equivalent) is recommended. Respirator use should comply with the OSHA Respirator Protection Standard found in 29 CFR 1910.134.

**FOOTWEAR PROTECTION**

Not normally required.

**ENGINEERING CONTROLS**

Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lower practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 2 of this MSDS.

The user may wish to refer to 29 CFR 1910.1000 (d) (2) and ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical Appearance:	Gray Liquid
Odor:	Mild Petroleum Aerosol
Odor Threshold:	Not available
Physical State:	Aerosol
Vapor Pressure (PSIG) Aerosol:	65 - 75 @ 20°C
Boiling Point:	64 - 75°C
Evaporation Rate (N-Butyl Acetate=1):	>1
Vapor Density by weight (Air=1):	>1
Solubility in Water g/L (20°C):	Negligible
pH:	Not Applicable
Coefficient of Water / Oil Dist.:	Not Available
Freezing Point (°C):	Not Available
Specific Gravity (Liquid):	0.8378 – 0.87

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**SECTION 10 – STABILITY AND REACTIVITY****INCOMPATIBILITIES**

This product is incompatible with strong oxidizing agents.

**DECOMPOSITION PRODUCTS MAY INCLUDE**

Thermal decomposition products are dependent on combustion conditions. A complex mixture of airborne solid, liquid, particulates and gasses may evolve when the material burns. Combustion byproducts may include:

- Possible phosgene over 250°C, chlorine gas, hydrochloric acid
- Oxides of carbon
- Incompletely burned hydrocarbons as fumes and smoke.



**CONDITIONS TO AVOID**

Avoid contact with incompatible materials and exposure to extreme temperatures including heat, sparks and open flame.

**STABILITY**

This product is stable under normal conditions.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**EYE EFFECTS**

Slight eye irritant

**SKIN EFFECTS**

Slight skin irritant

**REPRODUCTIVE EFFECTS**

**Toluene:** Prolonged and repeated exposure of pregnant animals to Toluene (levels greater than 1500 ppm) has been reported to cause adverse fetal developmental effects.

**SENSITIZING CAPABILITY OF MATERIAL**

Unknown.

**CARCINOGENICITY OF MATERIALS**

The ingredients of this product are not listed as carcinogens by NTP, not regulated as carcinogens by OSHA, and have not been evaluated by IARC nor ACGIH.

**TERATOGENICITY**

No information available and no adverse effects expected.

**MUTAGENICITY**

No information available and no adverse effects expected.

**OTHER**

No further toxicological data known.

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**SECTION 12 – ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION**

This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

**ENVIRONMENTAL FATE**

The degree of biodegradability and persistence of this product has not been determined.

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**SECTION 13 – DISPOSAL CONSIDERATION****WASTE DISPOSAL**

Do not puncture or incinerate containers, even when empty. Dispose in accordance with local regulations. Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate comply with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

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**SECTION 14 – TRANSPORT INFORMATION****T.D.G. CLASSIFICATION**

Consumer Commodity (Aerosols, Un1950, Class 2.1).

**D.O.T. CLASSIFICATION**

Consumer Commodity, ORM-D

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**SECTION 15 – REGULATORY INFORMATION****CANADIAN REGULATIONS**

- WHMIS Classification: A, B5, D2B
- CNFC Section 3.3.5: Level 2
- CEPA: All substances in this product are listed on the Canadian Domestic Substances list (DSL) or are not required to be listed

**U.S. REGULATIONS**

- NFPA Code 30B: Level 2
- SARA 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and reauthorization Act of 1986 and 40 CFR Part 372: **Toulene** CAS # 108-88-3

**CALIFORNIA PROPOSITION 65**

The following statement is made in order to comply with the California Safe drinking water and Toxic enforcement Act of 1986: Warning: This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm: **Toulene** CAS # 108-88-3

**TOXIC SUBSTANCES CONTROL ACT**

All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**VOC (W/W %):** 48-49

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**SECTION 16 – OTHER INFORMATION**

**LAST REVISION DATE:** March 25, 2010

**NOTICE OF DISCLAIMER**

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