

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 363104
Product name Penetrating Lubricant
Effective date 03-Jan-2012
Company Information Crown Equipment Corporation
New Bremen, OH 45869 United States
Company phone General Assistance 419-629-2311
Emergency telephone US 866-836-8855
Version # 09
Supersedes date 26-Feb-2011

2. Hazards Identification

Emergency overview Aerosol. CONTENTS UNDER PRESSURE.
Cancer hazard. Irritating to skin. Irritating to eyes. Irritating to respiratory system.

Potential health effects

Routes of exposure Inhalation. Eye contact. Skin contact. Ingestion.

Eyes Causes eye irritation.

Skin Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Irritating to skin.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to respiratory system. Prolonged inhalation may be harmful.

Ingestion Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Target organs Central nervous system. Lungs.

Chronic effects May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. May cause delayed lung injury.

Signs and symptoms Discomfort in the chest. Narcosis. Coughing. Jaundice. Defatting of the skin. Skin irritation.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Perchloroethylene	127-18-4	50 - 60
Deodorized Kerosene	64742-47-8	30 - 40
Carbon Dioxide	124-38-9	1 - 3
Non-hazardous and other components below reportable levels		2.5 - 10

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 Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin.

Inhalation If symptoms develop move victim to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately.

Ingestion Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician immediately.

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9. Physical & Chemical Properties

Appearance	Aerosol.
Boiling point	294.8 °F (146.1 °C) estimated
Color	clear brown
Density	1.1953 g/cm3 estimated
Flammability (HOC)	15.0356 kJ/g estimated
Flash back	No
Flash point	159 °F (70.6 °C) CONCENTRATE
Form	Aerosol.
Freezing point	Not available
Odor	Solvent.
pH	Not applicable
Physical state	Liquid.
Pressure	70 - 90 psig @70F
Solubility	None
Specific gravity	1.1954

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition.
Conditions to avoid	Heat, flames and sparks.
Hazardous decomposition products	May include oxides of sulphur. Hydrogen chloride.

11. Toxicological Information

Acute effects		Acute LD50: 6002 mg/kg estimated, Rat, Dermal
Component analysis - LD50		
Toxicology Data - Selected LD50s and LC50s		
Deodorized Kerosene	64742-47-8	Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Perchloroethylene	127-18-4	Inhalation LC50 Rat 4000 ppm 4 h; Oral LD50 Rat 2629 mg/kg; Dermal LD50 Mouse 2800 mg/kg
Sensitization	Not expected to be hazardous by OSHA criteria.	
Carcinogenicity	Hazardous by OSHA criteria. Risk of cancer cannot be excluded with prolonged exposure.	
IARC - Group 2A (Probably Carcinogenic to Humans)		
Perchloroethylene	127-18-4	Monograph 63 [1995]; Supplement 7 [1987]
Teratogenicity	Not expected to be hazardous by OSHA criteria.	

12. Ecological Information

Ecotoxicity	LC50 8.42 mg/L estimated, Fish, 96.00 Hours, EC50 12.84 mg/L estimated, Daphnia, 48.00 Hours, Components of this product are hazardous to aquatic life.
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13. Disposal Considerations

Waste codes	D039: Waste Tetrachloroethylene
Disposal instructions	Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container to hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	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)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

U.S. - Pennsylvania - RTK (Right to Know) List

Carbon Dioxide	124-38-9	Present
Deodorized Kerosene	64742-47-8	Present
Perchloroethylene	127-18-4	Environmental hazard; Special hazardous substance

16. Other Information**Further Information**

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2*
Flammability: 2
Physical hazard: 0

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. The information in the sheet was written based on the best knowledge and experience currently available. 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.

MSDS sections updated

Transport Information: Product Shipping Name/Packing Group

Prepared by

Regulatory Compliance

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