



MATERIAL SAFETY DATA SHEET

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MSDS: CHAIN LUBRICANT SPRAY

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHAIN LUBRICANT SPRAY

Synonyms:

CHAMPION® CHAIN LUBE MULTI-PURPOSE SPRAY GREASE

Company Identification

Champion Brands, L.L.C., 1001 Golden Drive, Clinton, MO 64735

PHONE: 800-821-5693 WEBSITE: www.championbrands.com

CAS Registry Number	Not Applicable
Synonyms	None
Generic/Chemical Name	Mixture
Product Type	Petroleum Based Lubrication Spray
Preparation Date	April 10, 2008

Transportation Emergency Response

CHEMTREC: (800) 424-9300

Product Information

Product Information and MSDS Requests: (800) 821-5693 and www.championbrands.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS	EU	WHMIS Reg?	%wt
Heptane	142-82-5	Unknown	Unknown	40 - 70
Distillates (petroleum), hydrotreated heavy	64741-84-0	Not controlled under DSD (Europe)	No	0 - 40
Mineral Oil	8012-95-1	Not controlled under DSD (Europe)	No	0 - 40
Propane	74-98-6	Unknown	Unknown	< 25
Butane	106-97-8	Unknown	Unknown	0 - 25

3. HAZARD IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Emergency Overview: Warning: Extremely Flammable. Content under pressure. This material is an eye and skin irritant. Keep away from heat, sparks and flame. Causes respiratory irritation. Possible redness and defatting may result from prolonged skin exposure to this material. Excessive inhalation causes headache, dizziness and nausea. Ingestion of this product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea and abdominal pain.

4. FIRST AID MEASURES

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical attention if irritation persists.

Skin: Wash with soap and water for 15 minutes. If irritation persists or signs of toxicity occur, seek medical attention. Remove contaminated clothing and shoes, and launder before reuse.

Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Classified by OSHA as flammable.

NFPA RATINGS: Health: 2 Flammability: 4 Reactivity: 0

FLAMMABLE PROPERTIES:**Flashpoint:** 25F TAG Closed Cup**Autoignition:** 433F**Flammability (Explosive) Limits (% by volume in air):** Lower: 1 Upper: 7**EXTINGUISHING MEDIA:** Alcohol foam.**PROTECTION OF FIRE FIGHTERS:****Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.**Combustion Products:** Not determined.**Aerosol Comments:** NFPA Level 3 Aerosol**6. ACCIDENTAL RELEASE INFORMATION****Protective Measures:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.**Spill Management:** Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.**Reporting:** Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.**7. HANDLING AND STORAGE****Precautionary Measures:** Caution: Contents under pressure. Keep away from heat and open flame. Use only in a well ventilated area. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Use only in well ventilated areas. Keep container closed. Keep out of the reach of children. Use ground strap.**General Handling Information:** Avoid contact with skin and eyes. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.**Container Warnings:** Do not puncture, incinerate or store above 120 F. Exposure to high temperatures may cause bursting. DO NOT store in the passenger compartment of an automobile.**8. EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT****ENGINEERING CONTROLS:**

Use in a well ventilated area. Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

PERSONAL PROTECTIVE EQUIPMENT**Eye/Face Protection:** Wear safety glasses or goggles to protect against exposure.**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves.**Respiratory Protection:** Do not breath mist or vapor. Use in a well ventilated area. Appropriate respiratory protection should be worn when applied engineering controls are not adequate to protect against inhalation exposure.**Occupational Exposure Limits:**

Component	Wt %	OSHA PEL TWA	OSHA PEL CEILING LIMITS	ACGIH TLV TWA	ACGIH TLW STEL
Heptane CAS 142-82-5	0 - 10%	500 ppm	Not Known	400 ppm	500 ppm
Propane CAS 74-98-6	< 25%	1000 ppm	Not Known	2500 ppm	Not Known
Butane CAS 106-97-8	< 25 %	None Established	None Established	None Established	None Established
Distillates (petroleum), hydrotreated heavy CAS# 64741-84-0	< 50%	5 mg/m3	None Established	5 mg/m3	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Appearance and Odor: MILD SOLVENT**pH:** NA**Vapor Pressure:** 46 psig @ 70°F**Vapor Density (Air = 1):** NA**Boiling Point:** 209F**Solubility:** Soluble in hydrocarbons; insoluble in water**Freezing Point:** NA**Melting Point:** NA**VOC Content(%):** 72

10. STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: Keep away from heat, sparks and flame. Avoid any source of ignition.

Incompatibility With Other Materials: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides.

Hazardous Decomposition Products: Carbon monoxide.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological Data

Component	Route	Species	Dose
Heptane CAS 142-82-5	Inhalation	Rats	LC50 103 gm/m ³ /4H
Butane 106-97-8	Inhalation	Rats	LC50 57 pph/15M

Carcinogenicity: No data available.

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

No adverse ecological effects are expected but may cause damage to the environment. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

13. DISPOSAL INFORMATION

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods. (See B.C. Reg. GY/92 Waste Management Act; R.R.O. 1990, Reg. 347 General-Waste Management; C.C.S.M.c. W40 The Waste Reduction and Prevention Act; N.S. Reg. 51/95 and N.S. Reg. 179/96 for examples of Provincial legislation.)

14. TRANSPORTATION INFORMATION

U.S. DOT: Proper Shipping Name: Consumer Commodity, ORM-D

IMDG: Proper Shipping Name: Aerosols (Limited Quantity)

Hazard Class: 2.1

UN No.: UN1950

Packing Group: None

IATA: Proper Shipping Name: Consumer Commodity, ID 8000, Class 9 label

15. REGULATORY INFORMATION

EU Regulations

Hazard: Irritant, Dangerous for the environment

Risk Phrases

UNKNOWN

Safety Phrases

UNKNOWN

Additional Warning Phrases : Not applicable.

US Federal Regulations:

SARA 313/302: Not listed hazardous per OSHA 29 CFR 1910.1200

SARA 311/312 Hazard Categories:

Accute : Health - YES, Chronic Health - NO, Fire - YES, Reactive - NO, Pressure - YES

State Regulations:

California Prop. 65: Not Listed

U.S. TSCA: The components of this product are listed on the TSCA Inventory.

Canadian Regulations

WHMIS (Classification) : UNKNOWN

16. DISCLAIMER

NFPA RATINGS: Health: 2 Flammability: 4 Reactivity: 0

HMIS RATINGS: Health: 2 Flammability: 4 Physical Hazard: 2

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *-Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT: Revision updates many sections and the MSDS should be read in its entirety.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV	-	Threshold Limit Value	TWA	-	Time Weighted Average
STEL	-	Short-term Exposure Limit	PEL	-	Permissible Exposure Limit
CHA	-	Champion LLC	CAS	-	Chemical Abstract Service Number
NDA	-	No Data Available	NA	-	Not Applicable
<=	-	Less Than or Equal To	>=	-	Greater Than or Equal To

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by Champion LLC, 1001 Golden Drive, Clinton, Missouri 64735.

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