

MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
 Form approved OMB No. 1218-0072
 OSHA 174 - Sept. 1985

Flammability	2
Reactivity	4
	0

IDENTITY:

CHAIN & CABLE LUBE

Section I

Manufacturer's Name Beaver Research Co.	Emergency Telephone Number 1-800-255-3924
Address 1025 W. North St. Kalamazoo, MI 49007	Telephone Number for Information 616-382-0133
Market name must be used above per OSHA	Date Prepared 12/12/89
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	STEL	% (optional)
*1,1,1 Trichloroethane (71-55-6)	350	350	450	8
Naphthenic Oil (64742-75-2)	-	5mg/m ³ (oil mist)		79
Propane/Isobutane (74-98-6)	1000	1000	Asphyxiant	12
Petroleum Oil (Cas Unknown)	-	5mg/m ³	-	1

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

DOT SHIPPING - Consumer Commodity ORM-D

Section III - Physical/Chemical Characteristics

Boiling Point Range	-40°F to unknown	Specific Gravity (H ₂ O = 1)	0.8
Vapor Pressure PSIG @ 70°F	50	Melting Point	Liquid
Vapor Density (AIR = 1) Heavier than Air	4.0	Evaporation Rate (Butyl Acetate = 1)	<1

Solubility in Water

Nil

Appearance and Odor

Green/Solvent Odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) -40°F T.C.C.	Flammable Limits	LEL 1.8	UEL 12.0
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Extinguishing Media

Use water fog, dry chemical or carbon dioxide

Special Fire Fighting Procedures

Aerosol cans may rupture when heated

Unusual Fire and Explosion Hazards

Heated cans may burst

Stability

Unstable		Conditions to Avoid
Stable	X	High Temperatures

Incompatibility (Materials to Avoid) The above solvents are incompatible with strong oxidizers. Not compatible with active metals.
 Hazardous Decomposition or Byproducts In fire will decompose to water, carbon dioxide, halogen acids and phosgene.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic) May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin.
 Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvent listed have been reported to affect the central nervous system.

Carcinogenicity: NTP? Presently not on any list IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure Inhalation - Difficulty in breathing. Skin-redness. Ingestion-vomiting.

Medical Conditions Generally Aggravated by Exposure: Heart Disease; Respiratory Disorders.

Emergency and First Aid Procedures Give oxygen - Do not induce vomiting - Gastric lavage - Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

Waste Disposal Method Dispose as hazardous waste in accordance with EPA RCRA.

Precautions to be Taken in Handling and Storing Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.

Other Precautions When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

Section VIII - Control Measures

Respiratory Protection (Specify Type) Self contained breathing apparatus if above TLV limit exceeding.

Ventilation	Local Exhaust	Yes	Special	None
	Mechanical (General)	None	Other	None

Protective Gloves None required if spraying Eye Protection Wear eye protection

Other Protective Clothing or Equipment Long sleeve and long pants