JBT FoodTech

Material Safety Data Sheet

Approval Date	**8/19/2013**
Supersedes Date	**6/5/2012**
Date Reviewed	**6/3/2014**

Section I. Chemical Product and Company Identification

Product Name/ Trade Name	**JBT H1 FOOD-GRADE CHAIN CLING LUBE**	**Product ID No.**	**575054**
Supplier	**JBT Corporation** **2300 Industrial Avenue** **Madera, CA 93637 USA**	**CAS #**	COMPLEX MIXTURE CAS Number Not Applicable
		In Case of Emergency	In the event of a chemical spill, release, poisoning or exposure, Call 3E Company, Inc.: 800-514-1746 (North America) 001 760-602-8897 (International)
Synonym(s)	None		
Chemical Name	Not applicable	**For Information**	JBT PHONE: 800-835-3230 JBT FAX: 559-661-3140
Chemical Family	Mixture		
Chemical Formula	Not applicable		
Material Uses	Lubricant		

Section II. Composition and Information on Ingredients

Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA.			
Propane	1000 ppm, OSHA	74-98-6	5-20
Butane	800 ppm, OSHA	106-97-8	1-10

LC_{50}, LD_{50} of Ingredients Not available

Section III. Hazards Identification

Emergency Overview Caution! Contents under pressure. See below for health hazards.

Potential Health Effects:

Eye Contact Considered an eye irritant. Vapors may cause severe eye irritation. Symptoms can include redness, swelling, pain, tearing, and hazy vision.

Skin Contact Skin Contact: Skin irritant. Mild to severe skin irritation may occur upon prolonged or repeated contact. Prolonged or repeated contact may cause moderate to severe dermatitis. Chronic symptoms may include drying, swelling, scaling, blistering, cracking, and severe tissue damage.
Skin Absorption: A single prolonged skin exposure is not likely to result in harmful amounts absorbed, but this product may be readily absorbed through the skin producing central nervous system depression effects.

Ingestion ASPIRATION HAZARD. Ingestion is not likely as an aerosol but, if swallowed, it can be harmful or fatal. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, even death. May cause weakness and gastrointestinal tract irritation. Product can be readily absorbed through the stomach and intestinal tract. Symptoms include a burning sensation in the mouth or esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, and delirium. Additional central nervous system effects may occur prior to the onset of convulsions, coma, and death.

Inhalation This product may irritate the mucous membranes of the mouth, throat, and esophagus, and may cause nausea, loss of appetite, lassitude, light-headedness, giddiness, dizziness, and incoordination. Respiratory arrest, convulsions, semi-consciousness or unconsciousness may result from extreme exposure. Can cause central nervous system depression. Asthma and other respiratory ailments may be aggravated by exposure to product. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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Section III. Hazards Identification (cont'd)

HMIS Code	Health:	1	Fire:	1	Physical Hazard:	0

HAZARD RATINGS
0 Minimal Hazard
1 Slight Hazard
2 Moderate Hazard
3 Serious Hazard
4 Severe Hazard

Section IV. First Aid Measures

Eye Contact Immediately flush with water for at least 15 minutes. Get medical attention.

Skin Contact Thoroughly wash exposed area with soap and water. Remove contaminated clothing and shoes and wash before reuse. Should any irritation persist, get medical attention.

Ingestion Drink 1 or 2 glasses of water to dilute. DO NOT induce vomiting. Consult a physician or Poison Control Center immediately.

Inhalation If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.

Section V. Fire and Explosion Data

Autoignition Temperature Not available

Flash Point Non-flammable mixture by Flame Extension Test

Flammable Limits (Approx.) ***LOWER*** Flammable Limit: Not available ***UPPER*** Flammable Limit: Not available

Explosion Hazards See Lower and Upper Flammable Limits

Products of Combustion Carbon dioxide and carbon monoxide.

Fire Fighting Media and Instructions Use (NFPA) Class B extinguisher, CO2 or foam. Pressure build-up due to heat exposure may cause containers to explode. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Special Remarks - Fire and Explosion Hazards Do not store where temperature may exceed 120°F (49°C). Do not puncture or incinerate. Firefighters should wear self-contained breathing apparatus in a positive pressure mode with full face shield. Fight fire from safe distance.

Section VI. Accidental Release Measures

Release or Spill Provide ventilation. Extinguish all ignition sources. Collect spills with absorbent materials and non-sparking tools. Dispose of in accordance with federal, state and local regulations.

Environmental Impact Report spills as required to the appropriate authorities. U.S Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to the Coast Guard toll-free number 800-424-8802.

Section VII. Handling and Storage

Handling Keep away from heat, sparks and open flame. Read label before using. Use with adequate ventilation. Do not breathe vapor or mist. Do not take internally. Do not smoke when using this product. Do not get into eyes, on skin or clothing. Wash thoroughly after handling. Do not store in nor transfer to an unmarked container. Do not throw container into fire or trash compactor. Do not cut on container or apply flames or other ignition sources to container, even when "empty", as flammable vapors or residue may remain.

Storage Store in tightly sealed containers. Do not store in direct sunlight. Keep away from heat, sparks and open flame. Store containers below 120°F (49°C). Do not throw empty container into fire or trash compactor. When storing large quantities, storage conditions should comply with OSHA 1910.106. Keep out of reach of children.

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Section VIII. Exposure Controls and Personal Protection

Respiratory Protection	NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control.
Ventilation	Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL/TLV.
Protective Gloves	Use protective gloves if contact with product is likely.
Eye Protection	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
Personal Hygiene	Wash exposed areas with soap and water when finished using this product. Do not eat or drink when using this product. Do not swallow. Wash hands before eating or using washroom.
Engineering Controls	Implement engineering controls so that workplace exposure limit(s) of product or any component is not exceeded. Use impervious protective clothing (gloves, boots, apron or full body suit) depending on operation.
Exposure Limit	See PEL/TLV of ingredients in Section II

Section IX. Physical and Chemical Properties

Appearance/Odor	Opaque foam with little or no odor	**Vapor Pressure**	Approx. 50 psig @ 20°C (68°F)
		Vapor Density	Heavier than air
Odor Threshold	Not available	**Percent Volatile**	15
Specific Gravity	0.815 @ 15°C (typical)	**Evaporation Rate**	Faster than ether (aerosol propellant)
Density	Not available	**Viscosity**	Not available
Molecular Weight	Not available	**Solubility in Water**	Negligible
pH	Not available	**Coefficient of Water/Oil Distribution**	Not available
Boiling Point	Not available		
Freezing/Melting Point	Not available	**Physical State**	Liquid and compressed gas in aerosol can

Section X. Stability and Reactivity Data

Stability	Stable under normal temperatures and pressures.
Conditions of Reactivity	Not available
Conditions and Materials to Avoid	Avoid heat, sparks, open flames and other sources of ignition. Avoid contact with strong oxidizers.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Carbon dioxide and carbon monoxide.

Section XI. Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.
Toxicity to Animals	Not available
Effects of Acute Exposure	Not available
Acute Effects of Sensitization	Not available
Ingestion	Not available
Inhalation	Not available
Toxically Synergistic Products	Not available

Chronic Effects on Humans:

Carcinogenic Effects	This product does not contain a carcinogen or potential carcinogen as listed by NTP, IARC, or OSHA [29 CFR 1910.1200(D)#4].
Mutagenic Effects	No data available to indicate any components present at greater than 0.1% may present a mutagenic hazard.

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Section XI. Toxicological Information (cont'd)

Teratogenic Effects	No data available to indicate any components present at greater than 0.1% may present a teratogenic hazard.
Reproductive Effects	No data available to indicate any components present at greater than 0.1% may present a reproductive hazard.

Section XII. Ecological Information

Ecotoxicity	There is no data available on the adverse effects of this material on the environment.

Section XIII. Disposal Considerations

Waste Disposal	Consult federal, state or local authorities for proper disposal and reporting procedures. All disposals must comply wtih federal, state and local regulations.

Section XIV. Transportation Information

I.A.T.A. Air Transportation:

Shipping Name	Aerosols, non-flammable
UN Number	UN1950
Hazard Class	2.2
Packing Group	None
Hazard Label	Non-flammable gas

U.S. D.O.T. Transportation:

Shipping Name	Aerosols, non-flammable
UN Number	UN1950
Hazard Class	2.2
Packing Group	None
Remarks	Refer to Code of Federal Regulations, Title 49 (49 CFR) for additional information on provisions, packaging, and Limited Quantity exceptions.

Section XV. Regulatory Information

U.S. Federal Regulations:

CERCLA	Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is regulated by 40 CFR 302.4 : None
SARA (Section 313)	This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None
SARA Extremely Hazardous List	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None
TSCA Inventory	All components of this material are on the U.S. TSCA Inventory.
California Prop. 65	This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: None

International Regulations:

Canada	All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all the information required by CPR.
Japan MITI	Not available
Australia	Not available
Switzerland	Not available

Section XVI. Other Information

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Prepared by	Technical Services 800-835-3230
Sections Revised Since Last Version	Sections III and XIV

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