



# SAFETY DATA SHEET


CONFORMS TO OSHA HAZARD COMMUNICATION STANDARD  
(HCS) 29 CFR 1910.1200

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Revision Date 5/24/2016  
Supersedes Date 2/29/2016

## SECTION 1. IDENTIFICATION

**Product identifier:** JBT H1 Food-Grade HD Chain Lube  
**Part number:** 575054  
**Identified uses:** Lubricant where there may be incidental food contact  
**Uses advised against:** Not intended for direct food contact. Other uses advised against may be specified elsewhere in this SDS.  
**Supplier:** John Bean Technologies  
70 West Madison  
Suite 4400  
Chicago, IL 60602 USA  
**Email contact:** 1jbtlubricantinfo@jbtc.com  
**Non-emergency contact:** Phone: 800-835-3230  
**Emergency telephone:** 3E Company: North America 800-451-8346  
International 760-602-8703

## SECTION 2. HAZARD(S) IDENTIFICATION

**Classification:** Gases under Pressure  
**Label elements**  
**Pictograms:**   
**Signal word:** Warning  
**Hazard statements:** Contains gas under pressure; may explode if heated.  
**Precautionary statements:** Protect from sunlight. Store in a well-ventilated place.  
**Hazards not otherwise classified:** Harmful to aquatic life with long lasting effects.  
**Additional information:** 21.0 % by mass of the contents are flammable.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Composition:</b>	<b>Chemical name</b>	<b>%</b>	<b>CAS #</b>	<b>Impurities</b>
	Propane	10-25	74-98-6	None
	Butane	1-5	106-97-8	None
	Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts	<1	148520-84-7	None
	Zinc oxide	<1	1314-13-2	None
	Sulfonic acids, petroleum, calcium salts	<1	61789-86-4	None
	Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts	<1	156105-31-6	None
	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	<1	80939-62-4	None

## SECTION 4. FIRST-AID MEASURES

### First aid measures

**Eye contact:** Remove contact lenses, if wearing, and flush eyes with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.  
**Skin contact:** Remove clothing and shoes, if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing before reuse and discard oil-soaked shoes. If irritation persists, consult a physician.  
**Ingestion:** If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink and seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.  
**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

**Most important symptoms and effects, both acute and delayed:** No further relevant information available.

**Indication of any immediate medical** No further relevant information available.

**attention and special treatment available:****General information:** No further relevant information available.**SECTION 5. FIRE-FIGHTING MEASURES****Suitable extinguishing media:** Extinguishing media include dry chemical, alcohol foam, and carbon dioxide. Do not use direct stream of water. Water may be used to keep fire-exposed containers cool.**Unsuitable extinguishing media:** Do not use direct stream of water.**Specific hazards:** Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool.**Advice for firefighters:** Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined space or as otherwise needed.**SECTION 6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.**Environmental precautions:** Prevent entry into sewers, waterways or confined areas by diking or impounding. Dike far ahead of spill for later recovery and disposal. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.**Methods for containment and cleaning up**  
**Land spill:** Stop leak if you can do so without risk. Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Recover by pumping or with suitable absorbents. Dispose of in accordance with national and/or local regulations relating to waste disposal.**Water spill:** Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.**SECTION 7. HANDLING AND STORAGE****Precautions for safe handling:** Keep away from heat and direct sunlight. Keep away from ignition sources - Do not smoke. Protect against electrostatic discharges. Ensure good ventilation/exhaustion at the workplace.**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry place in tightly sealed containers. Store out of direct sunlight. Observe official regulations on storing packagings with pressurized containers. Store away from oxidizing agents. Do not store near heat, sparks, open flame, pilot lights, static electricity, or other sources of ignition. Do not store where temperature may exceed 49°C (120°F). Rotate stock.**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b><u>Workplace exposure limits:</u></b>	<b><u>Chemical name</u></b>	<b><u>Exposure limit and source</u></b>
	Propane	Not available
	Butane	Long-term value = 1810 mg/m <sup>3</sup> , 750 ppm Short-term value = 1450 mg/m <sup>3</sup> , 600 ppm
	Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy	Not available
	Zinc oxide	Not available
	Sulfonic acids, petroleum, calcium salts	Not available
	Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts	Not available
	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Not available

**Exposure controls****Engineering controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their respective occupational exposure limits.**Ventilation:** Use in a well-ventilated area. See Engineering Controls.**Personal hygiene:** Wash skin thoroughly after contact, before breaks and meals and at the end of the work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.**Eye protection:** Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.**Hand protection:** Any lined non-permeable rubber gloves.**Respiratory protection:**

local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance / odor:</b>	Clear liquid / solvent odor	<b>Upper flammability limit:</b>	Not available
<b>Physical state:</b>	Liquid and compressed gas in aerosol can	<b>Lower flammability limit:</b>	Not available
<b>Odor threshold:</b>	Not available	<b>Vapor pressure:</b>	Not available
<b>pH:</b>	Not available.	<b>Vapor density:</b>	Not available
<b>Melting / freezing point:</b>	Not available	<b>Relative density:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available	<b>Solubility in water:</b>	Not available
<b>Flash point:</b>	Not available	<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Autoignition temperature:</b>	Not available
<b>Flammability (solid, gas):</b>	Not applicable	<b>Decomposition temperature:</b>	Not available
		<b>Viscosity:</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical stability:</b>	Stable under recommended conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions are not expected to occur.
<b>Conditions and materials to avoid:</b>	Keep away from heat and direct sunlight. Avoid strong oxidizers, strong alkalis and strong acids.
<b>Hazardous decomposition products:</b>	Carbon monoxide and carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye contact:</b>	No known significant effects or critical hazards.
<b>Skin contact:</b>	No known significant effects or critical hazards.
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.

<b>Component information:</b>	<b>Components</b>	<b>LD<sub>50</sub></b>	<b>LC<sub>50</sub></b>
	Propane	Not available	Not available
	Butane	Not available	658 mg/l/4h (inhalation, rat)
	Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy	Not available	Not available
	Zinc oxide	>5000 mg/kg (oral, rat)	Not available
	Sulfonic acids, petroleum, calcium salts	>5000 mg/kg (oral, rat)	Not available
	Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts	Not available	Not available
	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Not available	Not available

### Information on physical, chemical and toxicological effects

<b>Symptoms:</b>	See Section 4 of this SDS for symptoms.
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### Delayed and immediate effects, and chronic effects, from short and long-terms exposure

<b>Effects:</b>	No further relevant information available.
<b>Carcinogenicity:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Numerical measures of toxicity:** Not determined

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available

<b>Component information:</b>	<b>Components</b>	<b>LEIC<sub>50</sub></b>
	Propane	Not available
	Butane	Not available
	Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy	Not available
	Zinc oxide	1.1 mg/l/96h [Oncorhynchus mykiss (rainbow trout)]
	Sulfonic acids, petroleum, calcium salts	>100 mg/l/48h [Daphnia magna (Water flea)]
	Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts	Not available
	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Not available

**Persistence and degradability:** Not determined

**Bioaccumulative potential:** Not determined

**Mobility in soil:** Not available

**Other adverse effects:** Not determined

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods:** Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Consult national or regional authorities for proper disposal and reporting procedures.

**SECTION 14. TRANSPORTATION INFORMATION**

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

	<b>Proper Shipping Name:</b>	<b>UN Number:</b>	<b>Hazard Class:</b>	<b>Packing Group:</b>	<b>Remarks:</b>
<b>U.S. D.O.T.</b>	Aerosols, non-flammable	1950	2.2	None	Refer to Code of Federal Regulations, Title 49 (49 CFR) for additional information on provisions, packaging, and Limited Quantity exceptions.
<b>ADR/RID</b>	Aerosols	1950	2.2	None	None
<b>IMDG</b>	Aerosols	1950	2.2	None	None
<b>IATA</b>	Aerosols, non-flammable	1950	2.2	None	None

**SECTION 15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA Section 302 Extremely Hazardous Substances:** This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None

**SARA Section 304 CERCLA Hazardous Substances:** Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is subject to reporting to the National Response Center under CERCLA: None

**SARA Section 313 Toxic Chemicals:** This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None

**TSCA Inventory:** All components of this material are on the U.S. TSCA Inventory.

**U.S. State Regulations**

**California Proposition 65 Status:** This product does not contain chemical(s) known to the State of California to cause birth defects or other reproductive harm.

**California Proposition 65 Listed Components:** None

**International Regulations**

<b>Canada:</b>	This product has been classified in accordance with the hazard criteria of WHMIS 2015 and the SDS contains all of the information required by those regulations.
<b>Japan MITI:</b>	Not available
<b>Australia:</b>	Not available
<b>Switzerland:</b>	Not available

**SECTION 16. OTHER INFORMATION**

**Sections Revised:** Section 1

**Revision Date:** 5/24/2016

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\*\*\* END OF SDS \*\*\*