Material Safety Data Sheet

Approval Date	**7/1/2008**
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Section I. Chemical Product and Company Identification

Product Name/ Trade Name	**JBT H1 FOOD-GRADE NLGI #2 SEAMER GREASE**
Product ID No.	**575036; 575038; 575039; 575074**
Supplier	**John Bean Technologies** **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	Lubricating grease
Chemical Family	Hydrocarbon
For Information	JBT PHONE: 800-835-3230 JBT FAX: 559-661-3140
Chemical Formula	Mixture
Material Uses	Lubricant

Section II. Composition and Information on Ingredients

Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA.			
Zinc oxide	5 mg/m^3 (fumes), OSHA	1314-13-2	5-10

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

Section III. Hazards Identification

Emergency Overview Potential health risks vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Potential Health Effects:

Eye Contact May cause irritation and redness.

Skin Contact May cause slight irritation.

Ingestion May be harmful if swallowed, causing nausea, vomiting and abdominal pain.

Inhalation Not expected to present an inhalation exposure risk at ambient temperatures. If vapors or mists are created upon heating or by mechanical means, vapors or mists may be produced which may cause irritation of the breathing passages. Aspiration may cause pulmonary edema or aspiration pneumonia.

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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 Remove contact lenses, if wearing. Flush with water for 15 minutes. If irritation persist, seek medical attention.

Skin Contact Remove clothing and shoes, if contaminated. Wash or clean clothing before reuse and discard grease-soaked shoes. Wash exposed areas with soap and water. See a physician if irritation persists. If high pressure forces the product under the skin, get immediate medical attention.

Ingestion If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation Avoid mist, dust or fumes generated upon heating or by mechanical means. If affected, remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical attention immediately.

Section V. Fire and Explosion Data

Autoignition Temperature Not available

Flash Point 350°F (177°C), ASTM D 92

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 monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, oxides of calcium, smoke and irritating vapors as products of incomplete combustion.

Fire Fighting Media and Instructions For small fires, foam, carbon dioxide, dry chemical and vermiculite are suitable extinguishing media. For large fires, treat as an oil fire; use water fog or foam as extinguishing media. Do not use direct stream of water because product will float and can be reignited on surface of water. Firefighters should wear full "turn-out" gear and self-contained breathing apparatus in a positive- pressure mode with full face shield when fighting fires containing or around this product. Ventilate area. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Contain spill and dike, if possible. Do not discharge extinguishing waters into streams, rivers or lakes.

Special Remarks -Fire and Explosion Hazards Eliminate all sources of ignition as vapor may ignite. Keep containers cool with water spray to prevent rupture.

Section VI. Accidental Release Measures

Release or Spill Eliminate all sources of ignition. Ventilate area. For small spills, absorb with sand, earth, or other inert material; transfer to a suitable waste container. For large spills, dike area of spill to prevent spreading and pump liquid to salvage tank. Minimize breathing vapors. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. May be harmful to aquatic life. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas. Dispose according to regulatory requirements.

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. Keep out of reach of children.

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Section VIII. Exposure Controls and Personal Protection

Respiratory Protection	None required in normal use. Use NIOSH-approved respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.
Ventilation	Local exhaust is suggested to prevent dust buildup.
Protective Gloves	Wear chemical-resistant protective gloves.
Eye Protection	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
Personal Hygiene	Wash thoroughly after handling. Do not get in eyes or on clothing. Wear protective clothing, such as long sleeves, to minimize skin contact. Use heat protective equipment (such as gloves, long sleeves and aprons) when handling molten material.
Engineering Controls	If needed, implement engineering controls to ensure that workplace exposure limit(s) of product or any component is not exceeded.
Exposure Limit	5 mg/m^3 (oil mist) OSHA, for total product; see Section II for component exposure limit(s).

Section IX. Physical and Chemical Properties

Appearance/Odor	Cream-colored semi-solid with mild petroleum odor	**Vapor Pressure**	0.00 mm Hg @ 20°C
		Vapor Density	Not available
Odor Threshold Specific	Not available	**Percent Volatile**	Not available
Gravity Density	Not available	**Evaporation Rate**	Not available
Molecular Weight pH		**Viscosity Solubility**	
Boiling Point Freezing/	Not available	**in Water**	Insignificante
Melting Point		**Coefficient of Water/Oil Distribution**	Not available
	Not available		
	Not available	**Physical State**	Semi-solid

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, open flames, strong acids, strong bases, and oxidizing materials.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, oxides of calcium, smoke and irritating vapors as products of incomplete combustion.

Section XI. Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.
Toxicity to Animals Effects of	Not available
Acute Exposure Acute Effects of	Not available
Sensitization	Not available
Ingestion	
Inhalation	Not available
Toxically Synergistic Products	Not available
Chronic Effects on Humans:	Not available
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	
UN Number	
Hazard Class	
Packing Group	
Hazard Label	

U.S. D.O.T. Transportation:	
Shipping Name	Not regulated
UN Number	None
Hazard Class	None
Packing Group	None
Remarks	Not regulated by ground or rail if shipped or transported in container less than 400 kg (881 pounds).

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: Zinc oxide, CAS #1314-13-2, present at 5-10%
SARA Extremely Hazardous List	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List:
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 Sections	Technical Services 800-835-3230
Revised Since Last Version	Section I

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