

Section I. Chemical Product and Company Identification

Product Name/ Trade Name	FORMULA 668	Product ID No.	356173A
Supplier	JBT FOODTECH 1622 FIRST STREET SANDUSKY, OHIO 44870 USA	Emergency Telephone	In the event of a chemical spill, release, poisoning or exposure, Call 3E Company, Inc.: 800-451-8346 (North America) 001 760-602-8897 International
Synonym(s)	None	Non-Emergency Contact	JBT PHONE: 800-408-7788 JBT FAX: 507-645-9664
Chemical Family	Polyalphaolefin		
Chemical Formula	Mixture		
Material Uses	Compressor oil		

Section II. Composition and Information on Ingredients

Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA.			
Synthetic lubricating base oil (polyalphaolefin)	5 mg/m ³ (oil mist), OSHA	Proprietary	<99
LC₅₀, LD₅₀ 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 slight irritation and redness.
Skin Contact	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. This product is not expected to be harmful to internal organs if absorbed through the skin.
Ingestion	Ingestion may cause irritation of the digestive tract. Aspiration into lungs can cause pneumonitis, which can be fatal.
Inhalation	Vapor inhalation under ambient conditions is not normally a problem. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended oil mist exposure limit.

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Section III. Hazards Identification (cont'd)

HMIS Code	Health: 1	Fire: 1	Physical Hazard: 0	HAZARD RATINGS	
				0 Minimal Hazard	3 Serious Hazard
				1 Slight Hazard	4 Severe Hazard
				2 Moderate Hazard	

Section IV. First Aid Measures

Eye Contact	Remove contact lenses, if wearing. Flush eyes with large amounts of water, lifting lids to ensure thorough flushing. If irritation or other symptoms persist, call 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	If exposed to excessive levels of material in the air, move the exposed person to fresh air. If breathing is difficult, give oxygen; seek medical attention if respiratory difficulties continue. If not breathing, give artificial respiration and seek medical attention immediately.

Section V. Fire and Explosion Data

Autoignition Temperature	Not available		
Flash Point	518°F (270°C), ASTM D 92		
Flammable Limits (Approx.)	LOWER Flammable Limit: N/A	UPPER Flammable Limit: N/A	
Explosion Hazards	See Lower and Upper Flammable Limits		
Products of Combustion	Carbon monoxide, carbon dioxide, oxides of sulfur, aldehydes, smoke and irritating vapors as products of incomplete combustion.		
Fire Fighting Media and Instructions	Extinguishing media include dry chemical, alcohol foam, and carbon dioxide-type extinguishing agents. Do not use direct stream of water. Water may be used to keep fire-exposed containers cool.		
Special Remarks - Fire and Explosion Hazards	Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for the firefighters. Leaks/ruptures in high-pressure systems using materials of this type can create a fire hazard when in the vicinity of ignition sources (open flame, pilot lights, sparks or electric arcs).		

Section VI. Accidental Release Measures

Release or Spill	Recover free product. Add sand, earth, or other suitable absorbent material to the spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.
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	Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. "Empty" containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition as they may explode and can cause injury or death. Empty container should be promptly returned to a drum reconditioner.
Storage	Store in tightly sealed containers. Store in a cool, dry place out of direct sunlight. Do not store near heat, sparks, open flame, pilot lights, static electricity, or where temperature may exceed 49°C (120°F). Rotate stock.

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Section VIII. Exposure Controls and Personal Protection

Respiratory Protection	Use respiratory protection if needed to keep airborne levels below recommended oil mist exposure limits.
Ventilation	Use in a well-ventilated area. See Engineering Controls.
Protective Gloves	Any lined non-permeable rubber gloves.
Eye Protection	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
Personal Hygiene	Wash skin thoroughly after contact, before breaks and meals and at the end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.
Engineering Controls	If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended oil mist exposure limits.
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	Water white lube oil with little or no odor	Vapor Pressure	Nil
		Vapor Density	Not available
Odor Threshold	Not available	Percent Volatile	Nil
Specific Gravity	0.8373 (typical)	Evaporation Rate	Nil
Density	Not available	Solubility in Water	0.1%
pH	Not available	Coefficient of Water/Oil Distribution	Not available
Boiling Point	>500°F (260°C)	Physical State	Liquid
Freezing/Melting Point	Not available		

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 oxidizing materials.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, oxides of sulfur, aldehydes, smoke and irritating vapors as products of incomplete combustion.

Section XI. Toxicological Information

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

Waste Disposal	Consult federal, state or local authorities for proper disposal and reporting procedures. All disposals must comply with federal, state and local regulations.
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Section XIV. Transportation Information

U.S. D.O.T.	
Shipping Name:	Not regulated
UN Number:	None
Hazard Class:	None
Packing Group:	None
Remarks	None

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	WARNING! This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: Ethyl acrylate

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

Approval Date	9/24/2013
Supersedes Date	7/13/2010
Sections Revised Since Last Version	Sections I and II

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