



# MATERIAL SAFETY DATA SHEET

CONFORMS TO DIRECTIVE 2001/58/EC AMENDING DIRECTIVE 91/155/EEC

## Section 1. Identification of the Company and the Preparation

<b>Product Name</b>	<b>JAX CYLINDER OIL - FG</b>	<b>Revision Date</b>	<b>1/11/2008</b>
		<b>Supersedes Date</b>	<b>2/2/2007</b>
<b>Supplier</b>	<b>BEHNKE LUBRICANTS, INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA</b>	<b>Product No.</b>	<b>02500</b>
		<b>Material Use</b>	Incidental-contact food machinery lubricant
<b>Non-Emergency Contact</b>	Phone: 1-800-782-8850 (North America) +01-262-781-8850 (International) Fax: 1-262-781-3906 (North America) +01-262-781-3906 (International)		
<b>In Case of Emergency</b>	CHEMTREC: 1-800-424-9300 (North America) +01-703-527-3887 Collect (International)		

## Section 2. Composition / Information on Ingredients

This preparation is classified as not dangerous according to Directive 1999/45/EC and its amendments. Components listed below either meet the reporting requirements as specified in U.S. 29 CFR 1910.1200 or EU Directive 1999/45/EC as amended, or are reported for informational purposes only.

Ingredient*	%	PEL/TLV, Source	CAS #	EINECS #	EU Hazard Symbol	R-Phrases**
White mineral oil	40-60	5 mg/m <sup>3</sup> (oil mist), OSHA	8042-47-5	232-455-8	None	None

\*See Section 11 for LD<sub>50</sub> and LC<sub>50</sub> of ingredients.

\*\*See Section 16 for full text of R-Phrases.

## Section 3. Hazards Identification

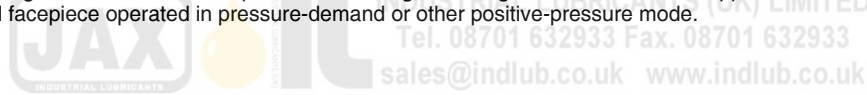
<b>Physicochemical Hazards</b>	Not physicochemically hazardous per EU Directive 1999/45/EC definitions.
<b>Human Health Hazards</b>	See Section 11.
<b>Environmental Hazards</b>	No data available

## Section 4. First Aid Measures

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	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.
<b>Ingestion</b>	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.
<b>Inhalation</b>	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 5. Firefighting Measures

<b>Flash Point</b>	460°F (238°C) min., ASTM D 92	<b>Autoignition Temperature</b>	Not available
<b>Sensitive to Mechanical Impact</b>	No	<b>Sensitive to Static Discharge</b>	No
<b>Lower Flammability Limit</b>	Not available	<b>Upper Flammability Limit</b>	Not available
<b>Extinguishing Media</b>	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.		
<b>Special Hazards</b>	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).		
<b>Products of Combustion</b>	Carbon monoxide, carbon dioxide, smoke and irritating vapors as products of incomplete combustion.		
<b>Special Protective Equipment for Firefighters</b>	Firefighters should wear full protective clothing, including helmet, and NIOSH-approved self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.		



## Section 6. Accidental Release Measures

<b>Personal Precautions</b>	Extinguish all sources of ignition. Provide sufficient ventilation and/or respiratory protection. Wear appropriate protective clothing, gloves, face mask, goggles/glasses to prevent contact with the eyes and skin. See Section 8.
<b>Environmental Precautions</b>	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.

**Methods for Clean-Up** Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Dispose of in accordance with national and/or local regulations relating to waste disposal.

**Section 7. Handling and Storage**

**Handling** Keep away from heat, sparks and open flame. Do not throw empty container into fire or trash compactor. Do not breathe vapor or mist. Do not take internally. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Do not transfer to nor store in an unmarked container. Read label and MSDS before using. Do not smoke when handling or using this product. Do not cut on empty containers as they may contain vapors that are flammable. Use with adequate ventilation. Do not use in high-pressure systems in the vicinity of flames, sparks and hot surfaces. For industrial use only.

**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.

**Section 8. Exposure Controls / Personal Protection**

**Occupational Exposure Limit** See Section 2.

**Respiratory Protection** Use with adequate ventilation. Respiratory protective equipment is not normally required where there is adequate natural or 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.

**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 are advised when eye contact may occur.

**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.

**Engineering Controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Appearance/Odor</b>	Water white oil with little or no odor	<b>Vapor Pressure</b>	Not available
<b>pH</b>	Not available	<b>Solubility in Water</b>	Nil
<b>Boiling Point</b>	Not available	<b>Density</b>	Not available
<b>Oxidizing Properties</b>	Not an oxidizer	<b>Viscosity</b>	Not available
<b>Percent Volatile</b>	0	<b>Vapor Density</b>	Not available
<b>Coefficient of Water/Oil Distribution</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available	<b>Physical State</b>	Liquid

**Section 10. Stability and Reactivity**

**Conditions and Materials to Avoid** Avoid contact with heat, sparks, open flames, and oxidizing agents.

**Hazardous Polymerization** Hazardous polymerization will not occur.

**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide, smoke and irritating vapors as products of incomplete combustion.

**Section 11. Toxicological Information**

**Routes of Entry** Skin contact, eye contact, ingestion and inhalation.

**Skin** Contact with skin is not expected to cause prolonged or significant irritation. This product is not expected to be harmful to internal organs if absorbed through the skin.

**Eye** May cause slight irritation and redness.

**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.

**Acute Toxicity / LD<sub>50</sub> and LC<sub>50</sub> of Ingredients**

Ingredient	LD <sub>50</sub>	LC <sub>50</sub>
White mineral oil	Oral/Rat >5000 mg/kg	Oral/Rat >5000 mg/kg

**Chronic Toxicity / Carcinogenicity**

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
White mineral oil	8042-47-5	No	No	No

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available	<b>Bioaccumulative Potential</b>	Not available
<b>Mobility</b>	Not available	<b>Persistence and Degradability</b>	Not available

**Section 13. Disposal Considerations**

**Waste Disposal** Consult national or regional authorities for proper disposal and reporting procedures. All disposals must comply with national and regional regulations.

**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.

**U.S. D.O.T.**

**Proper Shipping Name:** Not regulated  
**UN Number:** None  
**Hazard Class:** None  
**Packing Group:** None  
**Remarks** None

**Land Transport ADR/RID**

**Proper Shipping Name** Not regulated  
**UN Number** None  
**Hazard Class** None  
**Packing Group** None

**Maritime Transport IMDG**

**Proper Shipping Name** Not regulated  
**IM Number** None  
**IMDG Code** None  
**Packing Group** None

**Air Transport IATA**

**Proper Shipping Name** Not regulated  
**UN Number** None  
**Hazard Class** None  
**Packing Group** None  
**Remarks** None

**Section 15. 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.

**State Regulations**

**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

**European Community Regulations**

The content and format of this Material Safety Data Sheet are in accordance with Commission Directive 2001/58/EC, amending for the second time Commission Directive 91/155/EEC.

**European Community Label Requirements**

**Danger Symbol(s)** None

**S-Phrase(s)** S23: Do not breathe gas/fumes/vapor/spray  
S24/25: Avoid contact with skin and eyes

**R-Phrase(s)** R36/37/38: Irritating to eyes, respiratory system and skin  
R44: Risk of explosion if heated under confinement

**Canada** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.

**Section 16. Other Information**

**Component R-Phrase(s)** None

**HMIS Code** Health: **1** Fire: **1** Physical Hazard: **0**  
HMIS Hazard Ratings: 0 = Minimal Hazard; 1 = Slight Hazard; 2 = Moderate Hazard; 3 = Serious Hazard; 4 = Severe Hazard

**Abbreviations that May Be Used in this Document** N/A = Not available  
N/E = Not established

**Sections Revised** New MSDS format

**Revision Date** 1/11/2008

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\*\*\* END OF MSDS \*\*\*



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