



# 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 MAGNA-PLATE 88</b>	<b>Revision Date</b>	<b>4/30/2008</b>
		<b>Supersedes Date</b>	<b>2/13/2008</b>
<b>Supplier</b>	<b>BEHNKE LUBRICANTS INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA</b>	<b>Product No.</b>	<b>00880</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 not classified as 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**
1-Dodecene homopolymer, hydrogenated	0-80	N/E	151006-62-1	417-070-7	None	R53
1-Dodecene, trimer, hydrogenated	0-80	N/E	151006-63-2	N/E	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>	This material is not expected to be readily biodegradable.

## 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>	450°F (232°C), ASTM D 92	<b>Autoignition Temperature</b>	N/A
<b>Sensitive to Mechanical Impact</b>	No	<b>Sensitive to Static Discharge</b>	Yes
<b>Lower Flammability Limit</b>	N/A	<b>Upper Flammability Limit</b>	N/A
<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>	Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Ventilate area. Contain spill and dike, if possible. For leaks or spills that have not ignited, water spray can be used to disperse the flammable vapor. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground away from handling site. Eliminate all sources of ignition as vapor may ignite.		
<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,
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gloves, face mask, goggles/glasses to prevent contact with the eyes and skin. See Section 8.

**Environmental Precautions** 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, open flame or where temperature may exceed 49°C (120°F). Do not throw empty container into fire or trash compactor. 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, or grind such containers as they may explode and can cause injury or death. Use only with adequate ventilation. 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 use in high-pressure systems in the vicinity of flames, sparks and hot surfaces. Empty container should be promptly returned to a drum reconditioner. 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). Equipment and containers should be bonded and grounded when transferring or using material. Use non-sparking tools and equipment. Rotate stock.

## Section 8. Exposure Controls / Personal Protection

**Occupational Exposure Limit** 5 mg/m<sup>3</sup> (oil mist) OSHA, for total product; see Section 2 for component exposure limit(s).

**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** Wear protective gloves made of nitrile or other impervious material.

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

## Section 10. Stability and Reactivity

**Conditions and Materials to Avoid** Avoid heat, 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**

**Eye** Not expected to cause prolonged or significant eye irritation.

**Ingestion** No significant health hazards by ingestion have been identified. 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>
1-Dodecene homopolymer, hydrogenated	Oral >5000 mg/kg	Inhalation/Rat >5 mg/l/4h
1-Dodecene, trimer, hydrogenated	Oral >5000 mg/kg	Inhalation/Rat >5 mg/l/4h

**Chronic Toxicity / Carcinogenicity**

Ingredient	CAS #	NTP Known Carcinogen	NTP Anticipated Carcinogen	IARC Group
1-Dodecene homopolymer, hydrogenated	151006-62-1	No	No	No
1-Dodecene, trimer, hydrogenated	151006-63-2	No	No	No

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	N/A	<b>Bioaccumulative Potential</b>	N/A
<b>Mobility</b>	N/A	<b>Persistence and Degradability</b>	N/A

**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



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**Section 15. Regulatory Information****U.S. Federal Regulations**

<b>CERCLA</b>	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
<b>SARA (Section 313)</b>	This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None
<b>SARA Extremely Hazardous List</b>	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None
<b>TSCA Inventory</b>	All components of this material are on the U.S. TSCA Inventory.

**State Regulations**

<b>California Prop. 65</b>	This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: None
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**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**

<b>Danger Symbol(s)</b>	None
<b>S-Phrase(s)</b>	Not classified according to EU Directive 99/45/EC
<b>R-Phrase(s)</b>	R44: Risk of explosion if heated under confinement

<b>Canada</b>	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations (CPR)</i> and the MSDS contains all of the information required by the <i>CPR</i> .
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**Section 16. Other Information**

<b>Component R-Phrase(s)</b>	R53: May cause long-term adverse effects in the aquatic environment
<b>HMIS® Ratings</b>	Health: <b>1</b> Fire: <b>1</b> Physical Hazard: <b>0</b> HMIS® Ratings: 0 = Minimal Hazard; 1 = Slight Hazard; 2 = Moderate Hazard; 3 = Serious Hazard; 4 = Severe Hazard
<b>Abbreviations that May Be Used in this Document</b>	N/A = Not available N/E = Not established
<b>Sections Revised</b>	Section XV
<b>Revision Date</b>	4/30/2008

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