



JAX INC.

Approval Date 2/9/2009
Supersedes Date 4/30/2008

Material Safety Data Sheet

Section I. Chemical Product and Company Identification			
Product Name/ Trade Name	JAX ENVIRO-GUARD HYDRAULIC FLUID ISO 15	Product ID No.	49015
Supplier	JAX INC. W134 N5373 CAMPBELL DRIVE MENOMONEE FALLS, WI 53051 USA	Emergency Contact	For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call CHEMTREC: NORTH AMERICA 800-424-9300 INTERNATIONAL +01-703-527-3887 Collect
Synonym(s)	None	Non-Emergency Contact	JAX: 262-781-8850 JAX/FAX: 262-781-3906
Chemical Name	Not applicable		
Chemical Family	Mixture		
Chemical Formula	Not applicable		
Material Uses	Lubricant		

Section II. Composition and Information on Ingredients			
Name	PEL/TLV, Source	CAS #	% by Weight
PROPRIETARY FORMULA	5 mg/m ³ (oil mist), OSHA	Mixture	100.0
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. Harmful or fatal if swallowed; can enter lungs and cause damage. Oil mist may cause respiratory irritation.
Potential Health Effects:	
Eye Contact	May cause irritation and redness.
Skin Contact	May cause slight irritation.
Ingestion	Because of its low viscosity, this product can directly enter the lungs, if swallowed or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death. May be harmful if swallowed, causing nausea, vomiting and abdominal pain.
Inhalation	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 1 Slight Hazard 2 Moderate Hazard	3 Serious Hazard 4 Severe Hazard

Section IV. First Aid Measures

Eye Contact	Flush with large amounts of water, occasionally lifting upper and lower eyelids, for at least 15 minutes. Get medical attention if irritation persists.
Skin Contact	Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.
Ingestion	Seek immediate medical attention. DO NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. NOTE TO PHYSICIANS: Material, if ingested, may be aspirated into the lungs and can cause chemical pneumonitis. Treat appropriately.
Inhalation	If inhaled, remove individual to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Section V. Fire and Explosion Data

Autoignition Temperature	Not available	Sensitivity to Impact	Not available
Flash Point	342°F (172°C), ASTM D 92	Sensitivity to Static Discharge	Not available
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 nitrogen, oxides of sulfur, oxides of phosphorus, aldehydes, hydrogen sulfide, alkyl mercaptans, sulfides, diphenylamine, alkanes, and other products of incomplete combustion.		
Firefighting Media and Instructions	Foam, water fog, dry chemical, and carbon dioxide may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. Use water to keep fire-exposed containers and nearby structures cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.		
Special Remarks - Fire and Explosion Hazards	Firefighters should wear SCBA's in a positive pressure mode with full face shield. Never use welding or cutting torch on or near this product as they may contain vapors that are flammable. Fire involving large amounts of material should not be approached because individual containers may rupture abruptly, causing "fireball" effect.		

Section VI. Accidental Release Measures

Release or Spill	Recover free product using non-sparking tools and equipment. 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, watercourse, 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	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.
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Section VII. Handling and Storage (cont'd)

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 VIII. Exposure Controls and Personal Protection

Respiratory Protection None required under normal conditions of use.

Ventilation No special ventilation required under normal conditions of use.

Protective Gloves Use gloves as a standard industrial handling practice.

Eye Protection Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.

Personal Hygiene Wash exposed areas with soap and water when finished using this product. Do not eat or drink when using this product. Do not swallow. Wash hands before eating or using washroom.

Engineering Controls None required under normal conditions of use. Implement engineering controls if needed to keep workplace exposure of product or any component below exposure limit(s).

Exposure Limit See Section II.

Section IX. Physical and Chemical Properties

Appearance/Odor	Blue liquid with mild odor	Vapor Pressure	N/A
		Vapor Density	N/A
Odor Threshold	Not available	Percent Volatile	Nil
Specific Gravity	Not available	Evaporation Rate	N/A
Density	N/A	Viscosity	15 cSt @ 40°C (approximately)
Molecular Weight	Not available	Solubility in Water	Insoluble
pH	N/A	Coefficient of Water/Oil Distribution	Not available
Boiling Point	N/A	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 of Instability Not available

Conditions and Materials to Avoid Avoid contact with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Polymerization Hazardous polymerization will not occur.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, oxides of phosphorus, aldehydes, hydrogen sulfide, alkyl mercaptans, sulfides, diphenylamine, alkanes, and other 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
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SARA (Section 313)	This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None
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SARA Extremely Hazardous List	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None
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TSCA Inventory	All components of this material are on the U.S. TSCA Inventory.
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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: < 0.008 ppm cadmium; < 0.008 ppm lead; < 0.02 ppm arsenic
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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	Technical Services 262-781-8850
Sections Revised Since Last Version	Section I

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