SAFETY DATA SHEET

CONFORMS TO OSHA HAZARD COMMUNICATION STANDARD (HCS) 29 CFR 1910.1200

Revision Date 7/30/2015
Supersedes Date 7/22/2015

SECTION 1. IDENTIFICATION

Product identifier: **JAX Chain & Cable Lube Heavy - ISO 460**

Part number: CCLBQ

Identified uses: Lubricant where there is no possibility of contact with food

Uses advised against: Not for use where there is the possibility of contact with food. Other uses advised against may be specified elsewhere in this SDS.

Supplier:
JAX INC.
W134 N5373 Campbell Drive
Menomonee Falls, WI 53051 USA

Email contact: info@jax.com

Non-emergency contact: Phone: 262-781-8850 Fax: 262-781-3906

Emergency telephone: **INFOTRAC:**
North America 1-800-535-5053 **Australia** 1-300-366-961 **Germany** 0800-181-2926
International 011-1-352-323-3500 (collect) **China** 400-120-0761

SECTION 2. HAZARD(S) IDENTIFICATION

Classification: Acute Toxicity (Inhalation) Cat. 4

Label elements

PIctograms:

Signal word: Warning

Hazard statements: Harmful if inhaled.

Precautionary statements: Avoid breathing fume/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Hazards not otherwise classified: Harmful to aquatic life with long lasting effects.

Additional information: Not applicable

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Chemical name	%	CAS #	Impurities
	Amines, C12-14-tert-alkyl	<1	68955-53-3	None
	Alkyl phosphonate	<1	Proprietary	None
	Long-chain alkenyl amine	<1	Proprietary	None

SECTION 4. FIRST-AID MEASURES

First aid measures

Eye contact: Remove contact lenses, if wearing, and flush eyes with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physican.

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: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed: Harmful if inhaled.

Indication of any immediate medical attention and special treatment available: No further relevant information available.

General information: No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Extinguishing media include dry chemical, alcohol foam, and carbon dioxide. Do not use direct stream of water. Water may be used to keep fire-exposed containers cool.

Unsuitable extinguishing media: Do not use direct stream of water.

Specific hazards: Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool.

Advice for firefighters: Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined space or as otherwise needed.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Prevent entry into sewers, waterways or confined areas by diking or impounding. Dike far ahead of spill for later recovery and disposal. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

Methods for containment and cleaning up

Land spill: Stop leak if you can do so without risk. Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Recover by pumping or with suitable absorbents. Dispose of in accordance with national and/or local regulations relating to waste disposal.
Water spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry place in tightly sealed containers. Store out of direct sunlight. Do not store near heat, sparks, open flame, pilot lights, static electricity, or other sources of ignition. Do not store where temperature may exceed 49°C (120°F). Store away from oxidizing agents. Rotate stock.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits:

Chemical name	Exposure limit and source
Amines, C12-14-tert-alkyl	Not available
Alkyl phosphonate	Not available
Long-chain alkenyl amine	Not available

Exposure controls

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

Ventilation: Use in a well-ventilated area. See Engineering Controls.

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.

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

Hand protection: Any lined non-permeable rubber gloves.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / odor: Dark gray colored lube oil with little or no odor

Physical state: Liquid

Odor threshold: Not available

pH: Not available

Melting / freezing point: Not available

Upper flammability limit: Not available

Lower flammability limit: Not available

Vapor pressure: Nil

Vapor density: Not available

Relative density: 0.92 (typical)

Initial boiling point and boiling range:	Not available	**Solubility in water:**	Nil
Flash point:	428°F (220°C), ASTM D 92	**Partition coefficient (n-octanol/water):**	Not available
Evaporation rate:	Nil	**Autoignition temperature:**	Not available
		Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable	**Viscosity:**	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: Hazardous reactions are not expected to occur.

Conditions and materials to avoid: Avoid heat, sparks, open flames and oxidizing materials.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, phosphates, smoke and irritating vapors as products of incomplete combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Inhalation: Harmful if inhaled.

Ingestion: No known significant effects or critical hazards.

Component information:

Components	LD_{50}	LC_{50}
Amines, C12-14-tert-alkyl	Not available	Not available
Alkyl phosphonate	Not available	Not available
Long-chain alkenyl amine	Not available	Not available

Information on physical, chemical and toxicological effects

Symptoms: Please see Section 4 of this SDS for symptoms.

Delayed and immediate effects, and chronic effects, from short and long-terms exposure

Effects: No further relevant information available.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Numerical measures of toxicity: Not determined

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Component information:

Components	$L(E)C_{50}$
Amines, C12-14-tert-alkyl	Not available
Alkyl phosphonate	Not available
Long-chain alkenyl amine	Not available

Persistence and degradability: Not determined

Bioaccumulative potential: Not determined

Mobility in soil: Not available

Other adverse effects: Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Consult national or regional authorities for proper disposal and reporting procedures.

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.

	Proper Shipping Name:	UN Number:	Hazard Class:	Packing Group:	Remarks:
U.S. D.O.T.	Not regulated	None	None	None	None
ADR/RID	Not regulated	None	None	None	None
IMDG	Not regulated	None	None	None	None
IATA	Not regulated	None	None	None	None

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA Section 302 Extremely Hazardous Substances: This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None

SARA Section 304 CERCLA Hazardous Substances: Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is subject to reporting to the National Response Center under CERCLA:
1-Butanol (RQ = 5000 lbs.); Phosphoric acid (RQ = 5000 lbs.); Ethyl acrylate (RQ = 1000 lbs.); Propylene oxide (RQ = 100 lbs.); Dioxane (RQ = 100 lbs.); Ethylene oxide (RQ = 10 lbs.)

SARA Section 313 Toxic Chemicals: This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None

TSCA Inventory: All components of this material are on the U.S. TSCA Inventory.

U.S. State Regulations

California Proposition 65 Status This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm.

California Proposition 65 Listed Components 2-Propenoic acid, ethyl ester; Ethylene oxide; Propylene oxide, 1,4-Dioxane

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 SDS contains all the information required by CPR.

Japan MITI: Not available

Australia: Not available

Switzerland: Not available

SECTION 16. OTHER INFORMATION

Sections Revised: New SDS format

Revision Date: 7/30/2015

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*** END OF SDS ***