



SAFETY DATA SHEET

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

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Revision Date 7/19/2018
Supersedes Date 5/11/2017

SECTION 1. IDENTIFICATION

Product identifier: JAX Forming Chain Oil

Part number: FCO68

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.

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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; Skin Sensitization Cat. 1

Label elements

Pictograms: 

Signal word: Warning

Hazard statements: Harmful if inhaled. May cause an allergic skin reaction.

Precautionary statements: Avoid breathing mist/ vapors/ spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

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

Additional information: Not applicable.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Composition:</u>	<u>Chemical name</u>	<u>%</u>	<u>CAS #</u>	<u>Impurities</u>
	White mineral oil (petroleum)	50-100	8042-47-5	None
	Sulfonic acids, petroleum, calcium salts	1-5	61789-86-4	None
	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 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: 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. May cause an allergic skin reaction.

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 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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

<u>Workplace exposure limits:</u>	<u>Chemical name</u>	<u>Exposure limit and source</u>
	White mineral oil (petroleum)	5 mg/m ³ (oil mist), TWA, ACGIH
	Sulfonic acids, petroleum, calcium salts	Not available
	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:	Amber colored lube oil with slight sulfur odor	Upper flammability limit:	Not available
		Lower flammability limit:	Not available
Physical state:	Liquid	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density:	Not available
pH:	Not available	Relative density:	0.85 (typical)
Melting / freezing point:	Not available	Solubility in water:	Not available
Initial boiling point and boiling range:	Not available	Partition coefficient (n-octanol/water):	Not available
Flash point:	422°F (217°C), ASTM D 92	Autoignition temperature:	Not available
Evaporation rate:	Nil	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:	Conditions to avoid: Keep away from heat and direct sunlight. Incompatible materials: Avoid strong oxidants, strong alkalis and strong acids.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, sulfur oxides, nitrogen oxides, calcium oxides, 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:	May cause an allergic skin reaction.
Inhalation:	Harmful if inhaled.
Ingestion:	No known significant effects or critical hazards.

Component information:	Components	LD₅₀	LC₅₀
	White mineral oil (petroleum)	>5000 mg/kg (oral, rat)	Not available
	Sulfonic acids, petroleum, calcium salts	>5000 mg/kg (oral, rat)	Not available
	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:	See Section 4 of this SDS for symptoms.
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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
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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Harmful to aquatic life with long lasting effects.
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Component	Components	L(E)C₅₀
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information:	White mineral oil (petroleum)	Not available
	Sulfonic acids, petroleum, calcium salts	>100 mg/l/48h [Daphnia magna (Water flea)]
	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 are either listed or exempted from listing on the TSCA Inventory.

U.S. State Regulations

California Proposition 65 Status: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects, or other reproductive harm.

California Proposition 65 Listed Components: Not applicable

International Regulations

Canada: This product has been classified in accordance with the hazard criteria of WHMIS 2015 and the SDS contains all of the information required by those regulations.

Japan MITI: Not available

Australia: Not available

Switzerland: Not available

SECTION 16. OTHER INFORMATION

Sections Revised: Section 15

Revision Date: 7/19/2018

The information and recommendations contained herein are, to the best of JAX INC's knowledge and belief, accurate and reliable as of the date issued. JAX INC makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and JAX INC shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with JAX INC's interpretation of the available data.

*** END OF SDS ***