



SAFETY DATA SHEET

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

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Revision Date 8/29/2018
Supersedes Date 11/7/2016

SECTION 1. IDENTIFICATION

Product identifier: JAX Halo-Guard® FG-2
Part number: HLG02; HLG02N
Identified uses: Lubricant where there may be incidental food contact
Uses advised against: Not intended for direct food contact. 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: While this material is not classified as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Label elements

Pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statements: Not applicable

Hazards not otherwise classified: Not applicable

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>
	Distillates (petroleum), solvent-refined heavy paraffinic*	10-<20	64741-88-4	None
	Calcium carbonate (dust)	10-<20	471-34-1	None
	Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts	1-<5	68584-23-6	None
	Zinc oxide	1-<5	1314-13-2	None
	Calcium dodecylbenzene sulphonate	1-<5	26264-06-2	None
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	1-<5	68411-46-1	None
	Sulfonic acids, petroleum, calcium salts	1-<5	61789-86-4	None
	Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	1-<5	70024-69-0	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.
<u>Most important symptoms and effects, both acute and delayed:</u>	No further relevant information available.
<u>Indication of any immediate medical attention and special treatment available:</u>	See First aid measures (above).
<u>General information:</u>	No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Carbon dioxide (CO ₂), dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
<u>Unsuitable extinguishing media:</u>	Do not use direct stream of water.
<u>Specific hazards:</u>	Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool. Burning produces noxious and toxic fumes.
<u>Advice for firefighters:</u>	Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed. Prevent fire-extinguishing water from contaminating surface water or the groundwater system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

<u>Personal precautions, protective equipment and emergency procedures:</u>	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.
<u>Environmental precautions:</u>	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.
<u>Methods for containment and cleaning up</u>	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

<u>Precautions for safe handling:</u>	Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Keep container closed when not in use.
<u>Conditions for safe storage, including any incompatibilities:</u>	Store in a cool, dry place in tightly sealed containers. Store in 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 strong acids, strong bases, and strong 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>
	Distillates (petroleum), solvent-refined heavy paraffinic*	5 mg/m ³ (oil mist), OSHA
	Calcium carbonate (dust)	TWA (respirable) = 5 mg/m ³ (NIOSH REL)
	Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts	Not available
	Zinc oxide	2 mg/m ³ (TWA), ACGIH 10 mg/m ³ (STEL), ACGIH
	Calcium dodecylbenzene sulphonate	Not available
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Not available

Sulfonic acids, petroleum, calcium salts	Not available
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	Not available

Exposure controls

Engineering controls:	Good general ventilation should be sufficient to control vapors under ambient conditions. Additional ventilation or exhaust may be required to maintain air concentrations below recommended 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 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:	White semi-solid with mild petroleum odor	Upper flammability limit:	Not determined
Physical state:	Semi-solid	Lower flammability limit:	Not determined
Odor threshold:	Not available	Vapor pressure:	Not available
pH:	Not available	Vapor density:	Not available
Melting / freezing point:	Not available	Relative density:	0.95-1.05
Initial boiling point and boiling range:	Not available	Solubility in water:	Negligible
Flash point:	350°F (177°C), ASTM D 92	Partition coefficient (n-octanol/water):	Not available
Evaporation rate:	Not available	Autoignition temperature:	Not available
Flammability (solid, gas):	Not applicable	Decomposition temperature:	Not available
		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:	Keep away from heat, sparks, open flames and other sources of ignition. Keep out of direct sunlight. Avoid strong acids, strong bases, and strong oxidizing agents.
Hazardous decomposition products:	Carbon oxides, metal oxides, nitrogen oxides (NOx), and sulfur oxides.

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:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Component information:	Components	LD₅₀	LC₅₀
	Distillates (petroleum), solvent-refined heavy paraffinic*	Not available	Not available
	Calcium carbonate (dust)	Not available	Not available
	Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts	Not available	Not available
	Zinc oxide	5000 mg/kg (oral, rat)	Not available

Calcium dodecylbenzene sulphonate	>4199 mg/kg (dermal, rabbit)	Not available
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	>2000 mg/kg (oral, rat)	Not available
Sulfonic acids, petroleum, calcium salts	>5000 mg/kg (oral, rat)	Not available
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	Not available	Not available

Information on physical, chemical and toxicological effects

Symptoms: 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 carcinogen or potential carcinogen by OSHA.

Numerical measures of toxicity: Not determined

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: See below.

Component information:	Components	L(E)C₅₀
	Distillates (petroleum), solvent-refined heavy paraffinic*	Not available
	Calcium carbonate (dust)	Not available
	Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts	Not available
	Zinc oxide	1.1 mg/l/96h [Oncorhynchus mykiss (rainbow trout)]
	Calcium dodecylbenzene sulphonate	2.5 mg/l/48h [Daphnia magna (Water flea)]
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	>71 mg/l/96h [Danio rerio (zebra fish)]
	Sulfonic acids, petroleum, calcium salts	>100 mg/l/48h [Daphnia magna (Water flea)]
	Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	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 This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None

Substances:

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:

None

SARA Section 313 Toxic Chemicals: This product contains the following chemical(s) listed in Section 313 at or above the de minimis threshold value:

Zinc oxide, CAS # 1314-13-2, present at <2.5%

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 is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

California Proposition 65 Listed Components: None

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: Sections 2, 3, 4, 8, 11 and 12

Revision Date: 8/29/2018

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*** END OF SDS ***