



# SAFETY DATA SHEET

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

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Revision Date 7/24/2018  
Supersedes Date 5/8/2017

## SECTION 1. IDENTIFICATION

**Product identifier:** JAX Gear-Guard® Synthetic

**Part number:** 00552

**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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Menomonee Falls, WI 53051 USA

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**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:** Skin Sensitization Cat. 1

**Label elements**

**Pictograms:** 

**Signal word:** Warning

**Hazard statements:** May cause an allergic skin reaction.

**Precautionary statements:** Avoid breathing fume/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Avoid release to the environment. 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. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified:** Toxic 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>
	Zinc oxide	5-10	1314-13-2	None
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	1-5	72676-55-2	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:** May cause an allergic skin reaction.

**Indication of any immediate medical attention and special treatment available:** See First aid measures (above).

**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

<u>Workplace exposure limits:</u>	<u>Chemical name</u>	<u>Exposure limit and source</u>
	Zinc oxide	Not available
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	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

<b><u>Appearance / odor:</u></b>	Blue, extremely tacky semi-solid / bland odor	<b><u>Upper flammability limit:</u></b>	Not available
		<b><u>Lower flammability limit:</u></b>	Not available
<b><u>Physical state:</u></b>	Semi-solid	<b><u>Vapor pressure:</u></b>	Not available

<b><u>Odor threshold:</u></b>	Not available	<b><u>Vapor density:</u></b>	Not available
<b><u>pH:</u></b>	Not available	<b><u>Relative density:</u></b>	0.9 (typical)
<b><u>Melting / freezing point:</u></b>	Not available	<b><u>Solubility in water:</u></b>	Insoluble
<b><u>Initial boiling point and boiling range:</u></b>	Not available	<b><u>Partition coefficient (n-octanol/water):</u></b>	Not available
<b><u>Flash point:</u></b>	338°F (170°C), ASTM D 92	<b><u>Autoignition temperature:</u></b>	Not available
<b><u>Evaporation rate:</u></b>	Not available	<b><u>Decomposition temperature:</u></b>	Not available
<b><u>Flammability (solid, gas):</u></b>	Not applicable	<b><u>Viscosity:</u></b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

<b><u>Reactivity:</u></b>	Not reactive under normal conditions.
<b><u>Chemical stability:</u></b>	Stable under recommended conditions.
<b><u>Possibility of hazardous reactions:</u></b>	Hazardous reactions are not expected to occur.
<b><u>Conditions and materials to avoid:</u></b>	Avoid heat, sparks, open flames, other ignition sources and oxidizing materials.
<b><u>Hazardous decomposition products:</u></b>	Carbon oxides; oxides of phosphorus; sulphur oxides; nitrogen oxides (NOx).

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b><u>Eye contact:</u></b>	No known significant effects or critical hazards.
<b><u>Skin contact:</u></b>	May cause an allergic skin reaction.
<b><u>Inhalation:</u></b>	No known significant effects or critical hazards.
<b><u>Ingestion:</u></b>	No known significant effects or critical hazards.

<b><u>Component information:</u></b>	<b><u>Components</u></b>	<b><u>LD<sub>50</sub></u></b>	<b><u>LC<sub>50</sub></u></b>
	Zinc oxide	>5000 mg/kg (oral, rat)	Not available
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	Not available	Not available

### Information on physical, chemical and toxicological effects

<b><u>Symptoms:</u></b>	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

<b><u>Effects:</u></b>	May cause an allergic skin reaction.
<b><u>Carcinogenicity:</u></b>	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.

<b><u>Numerical measures of toxicity:</u></b>	Not determined
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## SECTION 12. ECOLOGICAL INFORMATION

<b><u>Ecotoxicity:</u></b>	Toxic to aquatic life with long lasting effects.
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<b><u>Component information:</u></b>	<b><u>Components</u></b>	<b><u>L(E)C<sub>50</sub></u></b>
	Zinc oxide	1.1 mg/l/96h [Oncorhynchus mykiss (rainbow trout)]
	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	Not available

<b><u>Persistence and degradability:</u></b>	Not determined
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<b><u>Bioaccumulative potential:</u></b>	Not determined
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<b><u>Mobility in soil:</u></b>	Not available
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<b><u>Other adverse effects:</u></b>	Not determined
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**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.

	<b>Proper Shipping Name:</b>	<b>UN Number:</b>	<b>Hazard Class:</b>	<b>Packing Group:</b>	<b>Remarks:</b>
<b>U.S. D.O.T.</b>	Not regulated	None	None	None	None
<b>ADR/RID</b>	Environmentally Hazardous Substance, solid, n.o.s. (Zinc oxide)	UN3077	9	III	None
<b>IMDG</b>	Environmentally Hazardous Substance, solid, n.o.s. (Zinc oxide)	UN3077	9	III	Limited quantity: 5 kg.
<b>IATA</b>	Environmentally Hazardous Substance, solid, n.o.s. (Zinc oxide)	UN3077	9	III	Maximum quantity for cargo only: 400 kg. Maximum quantity for passenger: 400 kg. Limited quantity: 30 kg G.

**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: None

**SARA Section 313 Toxic Chemicals:** This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: Zinc compounds, present at 4-6%

**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:** 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:** 7/24/2018

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 \*\*\*