



SAFETY DATA SHEET

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

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Revision Date 3/3/2016
Supersedes Date 3/2/2016

SECTION 1. IDENTIFICATION

Product identifier: JAX Magna-Plate 800-1

Part number: 08001

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: Skin Sensitization Cat. 1A

Label elements

Pictograms: 

Signal word: Warning

Hazard statements: May cause an allergic skin reaction.

Precautionary statements: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. 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 to an approved waste disposal plant.

Hazards not otherwise classified: Not applicable.

Additional information: Not applicable.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Composition: | Chemical name | % | CAS # | Impurities |
|--------------|--|-----|------------|------------|
| | Molybdenum disulfide | 1-5 | 1317-33-5 | None |
| | 2,5-bis(n-octyldithio)-1,3,4-thiadiazole | <1 | 13539-13-4 | 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: No further relevant information available.

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

General information: Medical condition aggravated by exposure: Dermatitis.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂), dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.

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. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

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> |
|--|--|---|
| | Molybdenum disulfide | Short-term value = 20 mg/m ³ , as Mo Long-term value = 10 mg/m ³ , as Mo |
| | 2,5-bis(n-octyldithio)-1,3,4-thiadiazole | 15 mg/m ³ , OSHA TWA |

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

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| <u>Appearance / odor:</u> | Black semi-solid with bland odor | <u>Upper flammability limit:</u> | Not available |
| | | <u>Lower flammability limit:</u> | Not available |
| <u>Physical state:</u> | Semi-solid | <u>Vapor pressure:</u> | Nil |
| <u>Odor threshold:</u> | Not available | <u>Vapor density:</u> | Not available |
| <u>pH:</u> | Not available | | |
| <u>Melting / freezing point:</u> | Not available | | |

| | | | |
|--|--------------------------|--|----------------|
| <u>Initial boiling point and boiling range:</u> | Not available | <u>Relative density:</u> | 0.88 (typical) |
| <u>Flash point:</u> | 450°F (232°C), ASTM D 92 | <u>Solubility in water:</u> | Nil |
| <u>Evaporation rate:</u> | Not available | <u>Partition coefficient (n-octanol/water):</u> | Not available |
| <u>Flammability (solid, gas):</u> | Not applicable | <u>Autoignition temperature:</u> | Not available |
| | | <u>Decomposition temperature:</u> | Not available |
| | | <u>Viscosity:</u> | 68 cSt @ 40°C |

SECTION 10. STABILITY AND REACTIVITY

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| <u>Reactivity:</u> | Not reactive under normal conditions. |
| <u>Chemical stability:</u> | Stable under recommended conditions. |
| <u>Possibility of hazardous reactions:</u> | Hazardous reactions are not expected to occur. |
| <u>Conditions and materials to avoid:</u> | Keep away from sparks and open flames. Avoid contact with strong oxidizers. |
| <u>Hazardous decomposition products:</u> | Carbon oxides. Nitrogen oxides (NOx). Oxides of phosphorus. Sulphur oxides. |

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

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|-----------------------------|---|
| <u>Eye contact:</u> | Contact with eyes may cause irritation. |
| <u>Skin contact:</u> | May cause an allergic skin reaction. |
| <u>Inhalation:</u> | May cause irritation of respiratory tract. |
| <u>Ingestion:</u> | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

| <u>Component information:</u> | <u>Components</u> | <u>LD₅₀</u> | <u>LC₅₀</u> |
|--------------------------------------|--|-------------------------------|-------------------------------|
| | Molybdenum disulfide | Not available | Not available |
| | 2,5-bis(n-octyldithio)-1,3,4-thiadiazole | Not available | Not available |

Information on physical, chemical and toxicological effects

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| <u>Symptoms:</u> | 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

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| <u>Effects:</u> | No further relevant information available. |
| <u>Carcinogenicity:</u> | This product does not contain a carcinogen or potential carcinogen as listed by NTP or IARC. |

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

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| <u>Ecotoxicity:</u> | Not available. 11.0858% of the mixture consists of components(s) of unknown hazards to the aquatic environment. |
|----------------------------|---|

| <u>Component information:</u> | <u>Components</u> | <u>L(E)C₅₀</u> |
|--------------------------------------|--|----------------------------------|
| | Molybdenum disulfide | Not available |
| | 2,5-bis(n-octyldithio)-1,3,4-thiadiazole | Not available |

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|--|----------------|
| <u>Persistence and degradability:</u> | Not determined |
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| <u>Bioaccumulative potential:</u> | Not determined |
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| <u>Mobility in soil:</u> | Not available |
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| <u>Other adverse effects:</u> | Not determined |
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SECTION 13. DISPOSAL CONSIDERATIONS

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| <u>Waste treatment methods:</u> | 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. |
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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.

| | <u>Proper Shipping Name:</u> | <u>UN Number:</u> | <u>Hazard Class:</u> | <u>Packing Group:</u> | <u>Remarks:</u> |
|---------------------------|-------------------------------------|--------------------------|-----------------------------|------------------------------|------------------------|
| <u>U.S. D.O.T.</u> | Not regulated | None | None | None | None |
| <u>ADR/RID</u> | Not regulated | None | None | None | None |
| <u>IMDG</u> | Not regulated | None | None | None | None |
| <u>IATA</u> | 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: 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 0.5%

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

U.S. State Regulations

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

California Proposition 65 Listed Components: Silica, di-n-butyl phthalate.

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: New SDS format

Revision Date: 3/3/2016

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*** END OF SDS ***