1. Identification

Product identifier used on the label

**Eaton Multi-Purpose Grease Lithium Complex Thickener System**

Recommended use of the chemical and restriction on use

Recommended use*: lubricants

* The “Recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller’s published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller’s sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: preparation
Synonyms: Mechanical lubricating grease

2. Hazards Identification


Classification of the product

| Eye Dam./Irrit. | 2A | Serious eye damage/eye irritation |
| Aquatic Acute | 3 | Hazardous to the aquatic environment - acute |
| Aquatic Chronic | 3 | Hazardous to the aquatic environment - chronic |

Label elements

Pictogram:

Signal Word: Warning

Hazard Statement:
H319 Causes serious eye irritation.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):
P280 Wear eye/face protection.
P273 Avoid release to the environment.
P264 Wash with plenty of water and soap thoroughly after handling.
Precautionary Statements (Response):
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.


Emergency overview
WARNING:
Irritating to eyes. May cause skin irritation. Avoid contact with the skin, eyes and clothing. Wear NIOSH-certified chemical goggles.

3. Composition/Information on Ingredients


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>64741-88-4</td>
<td>&gt;= 50.0 - 75.0%</td>
<td>Distillates (petroleum), solvent-refined heavy paraffinic</td>
</tr>
<tr>
<td>68649-42-3</td>
<td>&gt;= 1.0 - &lt; 5.0%</td>
<td>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>&gt;= 1.0 - &lt; 3.0%</td>
<td>Limestone</td>
</tr>
<tr>
<td>110-25-8</td>
<td>&lt; 1.0%</td>
<td>N-oleoyl-sarcoside</td>
</tr>
</tbody>
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4. First-Aid Measures

Description of first aid measures

General advice:
Immediately remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. If irritation develops, seek medical attention.

If in eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Rinse mouth immediately with water. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting due to aspiration hazard. Seek medical attention.

Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.
Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.
5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: water spray, dry powder, foam
Unsuitable extinguishing media for safety reasons: water jet

Special hazards arising from the substance or mixture
Hazards during fire-fighting: harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters
Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product. Clean up spills immediately.

Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Keep people away and stay on the upwind side. Breathing protection required.

Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling
No special measures necessary provided product is used correctly.

Protection against fire and explosion:
No special precautions necessary.

Conditions for safe storage, including any incompatibilities
No applicable information available.
Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>PEL 5 mg/m³</th>
<th>TWA value 5 mg/m³</th>
<th>TWA value 5 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>OSHA PEL</td>
<td>Respirable fraction; PEL 15 mg/m³ Total dust; TWA value 15 mg/m³ Total dust; TWA value 5 mg/m³ Respirable fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum)</td>
<td>OSHA PEL</td>
<td>PEL 500 ppm</td>
<td>2,000 mg/m³; PEL 5 mg/m³ Mist; TWA value 5 mg/m³ Mist</td>
<td></td>
</tr>
<tr>
<td>Distillates solvent-refined heavy paraffinic</td>
<td>ACGIH TLV</td>
<td>Included in the regulation, but with no data values - See the regulation for further details; Exposure by all routes should be carefully controlled to levels as low as possible. TWA value 5 mg/m³ Inhalable fraction</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Advice on system design:
Ensure adequate ventilation
Personal protective equipment

Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:
Suitable materials

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form: pasty
Odour: almost odourless
Odour threshold: No applicable information available.
Colour: blue
pH value: insoluble
Melting point: No applicable information available.
Boiling point: No applicable information available.
Sublimation point: No applicable information available.
Flash point: 243.00 °C (ASTM D92)
Flammability: not flammable
Lower explosion limit: For solids not relevant for classification and labelling.
Upper explosion limit: not applicable
Autoignition: No applicable information available.
Vapour pressure: No applicable information available.
Density:
- 0.889 g/cm³ (15.6 °C)
- 0.886 g/cm³ (20 °C)
Relative density: No applicable information available.
Vapour density: No applicable information available.
Partitioning coefficient:
n-octanol/water (log Pow): Study scientifically not justified.
Self-ignition temperature: not self-igniting
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic: not determined
Viscosity, kinematic: No applicable information available.
Solubility in water: insoluble
Solubility (quantitative): No applicable information available.
Solubility (qualitative): No applicable information available.
Evaporation rate: The product is a non-volatile solid.
Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity
No applicable information available.

Corrosion to metals: No corrosive effect on metal.
Oxidizing properties: Not fire-propagating

Reactions with water/air:

Reaction with water: no
Flammable gases: no
Toxic gases: no
Corrosive gases: no
Smoke or fog: no
Peroxides: no

Reaction with air:
Flammable gases: no
Toxic gases: no
Corrosive gases: no
Smoke or fog: no
Peroxides: no
Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Peroxides: 0.000 % The product does not contain peroxides.

Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions. The product is chemically stable.

Conditions to avoid
No special precautions other than good housekeeping of chemicals.

Incompatible materials
Strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products
Decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Nitrogen oxides, sulfur oxides, carbon monoxide: The substances/groups of substances mentioned can be released in case of fire.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

11. Toxicological Information

Primary routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry
Dermal contact
Eyes

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral
Type of value: LD50
Species: rat
Value: 2,000 – 5,000 mg/kg
Analogous: Assessment derived from products with similar chemical character.

Inhalation
No applicable information available.

Dermal
No applicable information available.

Irritation/corrosion
Assessment of irritating effects: May cause slight irritation to the skin. Irritating to eyes.

Sensitization
Assessment of sensitization: Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: None known

Genetic toxicity
Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a carcinogenic effect.

Carcinogenicity
Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

Reproductive toxicity
Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.
12. Ecological Information

**Toxicity**

Aquatic toxicity
Assessment of aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence and degradability**

Assessment biodegradation and elimination (H2O)
Not readily biodegradable (by OECD criteria).

**Bioaccumulative potential**

Assessment bioaccumulation potential
No data available.

**Mobility in soil**

Assessment transport between environmental compartments
No data available.

**Additional information**

Other ecotoxicological advice: The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

**Waste disposal of substance:**
Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.
It is the waste generator’s responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**
Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

14. Transportation Information

**Land transport**
USDOT Not classified as a dangerous good under transport regulations

**Sea transport**
IMDG Not classified as a dangerous good under transport regulations

**Air transport**
IATA/ICAO Not classified as a dangerous good under transport regulations
15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute

EPCRA 313:

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State regulations

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NFPA Hazard codes:

Health: 2  Fire: 1  Reactivity: 0  Special:

HMIS III rating

Health: 2  Flammability: 1  Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/10/28

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