



# GULFLEX<sup>®</sup> 3% Moly EP

## SDS - Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** GULFLEX<sup>®</sup> 3% Moly EP Grease  
**Other means of identification:** Industrial Grease  
**SDS Number:** 343013  
**CAS Number:** Blend  
**CHEMTREC:** EMERGENCY CONTACT 1-800-424-9300

**Supplier:**  
Nu-Tier Brands, Inc., Tulsa, OK  
Under License from Gulf Oil LP  
TECHNICAL CONTACT NUMBER: 918-550-8026, Ext. 507  
[www.gulflubricants.net](http://www.gulflubricants.net)

### 2. HAZARDS IDENTIFICATION

**Classified Hazards**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**Other Hazards**

None Known

**Label Elements**

No classified hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name             | CAS        | Concentration |
|---------------------------|------------|---------------|
| Molybdenum disulphide     | 1317-33-5  | 2.5-<10%      |
| Zinc Dialkylthiophosphate | 68457-79-4 | 0.1 - <1%     |

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

### 4. FIRST AID MEASURES

**INHALATION FIRST AID:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. In case of unconsciousness place patient stably in side position for transportation.

**SKIN CONTACT FIRST AID:** Wash with soap and water. Remove contaminated clothing and wash before reuse. Generally the product does not irritate the skin. Get medical attention if needed.

**EYE CONTACT FIRST AID:** Flush with water for several minutes. If effects occur, consult a physician.

**INGESTION FIRST AID:** Rinse mouth with water. If symptoms develop, obtain medical attention.

### 5. FIREFIGHTING MEASURES

**NFPA 704 Hazard Class**

**Health:** 1      **Flammability:** 1      **Instability:** 0



0 (Minimal)  
1 (Slight)  
2 (Moderate)  
3 (Serious)  
4 (Severe)

**Flash Point:** 471°F / 244°C

**Extinguishing Media:** Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F/100°C. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

**Specific hazards arising from the chemical:**

**Unusual Fire & Explosion Hazards:** This material may burn, but will not ignite readily. If container is not properly cooled, it can rupture in the heat of a fire.

**Hazardous Combustion Products:** Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed.



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**Special protective actions for firefighters:** For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

See Section 9 for Flammable Property Including Flash Point

### 6. ACCIDENTAL RELEASE MEASURES

Contain spilled material.  
Collect in suitable and properly labeled containers.  
Pick up excess with inert absorbent material.  
Keep away from drains and ground water.

### 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:**

Avoid contact with eyes, skin, or clothing.  
Keep away from sources of ignition.  
Handle with care and avoid spillage on the floor (slippage).

**STORAGE REQUIREMENTS:**

Keep away from sources of ignition.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**PERSONAL PROTECTIVE EQUIPMENT:**

Use of impermeable and resistant gloves are recommended.

**GENERAL PROTECTIVE AND HYGIENIC MEASURES:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

**BREATHING EQUIPMENT:**

Not required.



| Chemical Name  | ACGIH   | OSHA   | Other |
|--|---|--|-------|
| Distillates, petroleum, solvent-dewaxed heavy paraffinic (50-100%) | TLV: Long-term value: 5mg/m <sup>3</sup>  | PEL: Long-term value: 5mg/m <sup>3</sup>                   |       |
| Residual oils, petroleum, solvent-refined (25-50%)                 |   | PEL: Long-term value: 5mg/m <sup>3</sup>                   |       |
| Molybdenum disulphide (2.5-<10%)                                   | TLV: Long-term value: 10* 3** mg/m <sup>3</sup> as Mo;<br>*inhalable fraction **respirable fraction | PEL: Long-term value: 15* mg/m <sup>3</sup><br>*Total dust |       |



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Note:** Data represents typical values and are not intended to be specifications.

|                        |  |
|------------------------|--|
| Appearance:            | Grey   |
| Physical State:        | Semi-Solid                                       |
| Odor:                  | Petroleum-like                                   |
| Melting Point:         | Not determined                                   |
| Boiling Point:         | 338°C (640°F)                                    |
| Ignition Temp:         | >315°C (>599°F)                                  |
| Auto igniting:         | Product is not self-igniting                     |
| Danger of explosion:   | Product does not present an explosion hazard     |
| Density @ 20°C (68°F): | 1.01615 g/cm <sup>3</sup> (8.48 lbs/gal)         |
| Solubility in water:   | Insoluble  |
| Viscosity:             | Dynamic-Not determined; Kinematic-Not determined |
| Flash Point:           | 471°F / 244°C                                    |
| Solids content:        | 11.5%  |
| Other information:     | No further relevant information available        |

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** Not chemically reactive.

**CHEMICAL STABILITY:** Stable under normal ambient and anticipated conditions of use.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions not anticipated.

**CONDITIONS TO AVOID:** No further relevant information available.

**THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED:** No decomposition if used according to specifications.

**INCOMPATIBLE MATERIALS:** No further relevant information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not anticipated under normal conditions of use.

### 11. TOXICOLOGICAL INFORMATION

#### INFORMATION ON TOXICOLOGICAL EFFECTS:

##### Acute Toxicity:

- **LD/LC50 values that are relevant for classification:**

##### ATE (Acute Toxicity Estimates)

|            |          |                  |
|------------|----------|------------------|
| Oral       | LD50     | 6595 mg/kg (rat) |
| Inhalative | LC50/4 h | 50 mg/l          |

- **Primary irritant effect:**

**On the skin:** No irritant effect

**On the eye:** No irritant effect

**Sensitization:** No sensitizing effects known

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories:**

##### IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

##### NTP (National Toxicology Program)

None of the ingredients is listed.

##### OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.



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### 12. ECOLOGICAL INFORMATION

Avoid exposing to the environment, no specific aquatic data available.  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.  
Small quantities can be disposed of with household garbage. Do not allow product to reach sewage system.

### 14. TRANSPORTATION INFORMATION

Not regulated by DOT

### 15. REGULATORY INFORMATION

**Safety, health and environment regulations/legislation specific for the substance or mixture**  
**SARA**

**Section 355 (Extremely hazardous substances):**  
None of the ingredients is listed

**Section 313 (Specific toxic chemical listings):**  
68457-79-4      Zinc Dialkylthiophosphate      0.1-<1%

**TSCA (Toxic Substances Control Act):**  
All ingredients are listed.

**Proposition 65:**

**Chemicals known to cause cancer:**  
None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**  
None of the ingredients is listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)**  
None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**  
None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients is listed.

### 16. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nu-Tier Brands, Inc.. The data on this sheet are related only to the specific material designated herein. Nu-Tier Brands, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS