

# MATERIAL SAFETY DATA SHEET



## AMOCO LITHIUM MULTI-PURPOSE GREASE

MSDS No. 01448000 ANSI/ENGLISH

---

### 1.0 Chemical Product and Company Identification

**PRODUCT NAME:** AMOCO LITHIUM MULTI-PURPOSE GREASE

**Manufacturer/Supplier:**

Amoco Oil Company  
200 East Randolph Drive  
Chicago, Illinois 60601 U.S.A.

**Emergency Health Information:**

1 (800) 447-8735

**Emergency Spill Information:**

1 (800) 424-9300 CHEMTREC (USA)

**Other Product Safety Information:**

(312) 856-3907

---

### 2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Range % by Wt.
Hydrotreated heavy paraffinic distillate	64742-54-7	60-100
Lithium hydroxystearate thickener		5-10

(See Section 8.0, "Exposure Controls/Personal Protection", for exposure guidelines)

---

### 3.0 HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This product has been evaluated and does not require any hazard warning on the label under OSHA criteria.

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:** No significant health hazards identified.

**SKIN CONTACT:** No significant health hazards identified.

**INHALATION:** No significant health hazards identified.

**INGESTION:** No significant health hazards identified.

**HMIS CODE:** (Health:0) (Flammability:1) (Reactivity:0)

**NFPA CODE:** (Health:0) (Flammability:1) (Reactivity:0)

---

#### **4.0 FIRST AID MEASURES**

**EYE:** Flush eyes with plenty of water.

**SKIN:** Wash exposed skin with soap and water. Get medical attention if irritation develops.

**INHALATION:** If adverse effects occur, remove to uncontaminated area. Get medical attention.

**INGESTION:** If a large amount is swallowed, get medical attention.

---

#### **5.0 FIRE FIGHTING MEASURES**

**FLASHPOINT:** 480°F (minimum) (Cleveland open cup)

**UEL:** Not determined.

**LEL:** Not determined.

**AUTOIGNITION TEMPERATURE:** Not determined.

**FLAMMABILITY CLASSIFICATION:** Not Flammable.

**EXTINGUISHING MEDIA:** Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None identified.

**FIRE-FIGHTING EQUIPMENT:** Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

**HAZARDOUS COMBUSTION PRODUCTS:** Incomplete burning can produce carbon

monoxide and/or carbon dioxide and other harmful products.

---

## 6.0 ACCIDENTAL RELEASE MEASURES

Contain and remove by mechanical means.

---

## 7.0 HANDLING AND STORAGE

**HANDLING:** No special requirements.

**STORAGE:** No special requirements.

---

## 8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE:** None required; however, use of eye protection is good industrial practice.

**SKIN:** Wear protective gloves if prolonged or repeated contact is likely.

**INHALATION:** None required; however, use of adequate ventilation is good industrial practice.

**ENGINEERING CONTROLS:** Control airborne concentrations below the exposure guidelines.

### EXPOSURE GUIDELINES:

Component	CAS#	Exposure Limits
Hydrotreated heavy paraffinic distillate	64742-54-7	OSHA PEL: 5 mg/m <sup>3</sup> (oil mist) (1989) (1971) ACGIH TLV-TWA: 5 mg/m <sup>3</sup> (oil mist) ACGIH TLV-STEL: 10 mg/m <sup>3</sup> (oil mist)
Lithium hydroxystearate thickener		No exposure limit established

---

## 9.0 CHEMICAL AND PHYSICAL PROPERTIES

**APPEARANCE AND ODOR:** Smooth grease. Tan.

**pH:** Not determined.

**VAPOR PRESSURE:** Not determined.

**VAPOR DENSITY:** Not determined.

**BOILING POINT:** Not determined.

**MELTING POINT:** Not determined.

**SOLUBILITY IN WATER:** Negligible, below 0.1%.

**SPECIFIC GRAVITY (WATER=1):** Not determined.

**VISCOSITY:** 850SUS at 100°F (typical) ASTM D445

**PER CENT VOLATILE BY VOLUME:** 0 at 70°F

**DROPPING POINT:** 354°F(179°C) (typical)

**PENETRATION:** 265-295 dmm at 77°F

---

## 10.0 STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** None identified.

**MATERIALS TO AVOID:** Avoid chlorine, fluorine, and other strong oxidizers.

**HAZARDOUS DECOMPOSITION:** None identified.

**HAZARDOUS POLYMERIZATION:** Will not occur.

---

## 11.0 TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY DATA:

**EYE IRRITATION:** This product had a primary eye irritation score (PEIS) of 4.7/110.1 (rabbit)

**SKIN IRRITATION:** This product had a primary skin irritation score (PDIS) of 0.42/8.0 (rabbit)

**DERMAL LD50:** greater than 5000 mg/kg (rabbit).

**ORAL LD50:** greater than 10000 mg/kg (rat).

**INHALATION LC50:** Testing not conducted. See Other Toxicity Data.

**OTHER TOXICITY DATA:** No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

---

## 12.0 ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

---

## 13.0 DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations. Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

---

## 14.0 TRANSPORTATION INFORMATION

### U.S. DEPT OF TRANSPORTATION

**Shipping Name** Not Regulated

### INTERNATIONAL INFORMATION:

#### Sea (IMO/IMDG)

**Shipping Name** Not determined.

#### Air (ICAO/IATA)

**Shipping Name** Not determined.

#### European Road/Rail (ADR/RID)

**Shipping Name** Not determined.

## Canadian Transportation of Dangerous Goods

**Shipping Name** Not determined.

---

### 15.0 REGULATORY INFORMATION

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR Part 302.4):** This product is not reportable under 40 CFR Part 302.4.

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355):** This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

**SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370):** This product is not regulated under SARA Title III Section 311/312.

**SARA TITLE III SECTION 313 (40 CFR Part 372):** This product is not regulated under Section 313 of SARA and 40 CFR Part 372.

**U.S. INVENTORY (TSCA):** Listed on inventory.

**OSHA HAZARD COMMUNICATION STANDARD:** Contains a component listed by OSHA. Contains a component listed by ACGIH.

**EC INVENTORY (EINECS/ELINCS):** Not determined.

**JAPAN INVENTORY (MITI):** Not determined.

**AUSTRALIA INVENTORY (AICS):** Not determined.

**KOREA INVENTORY (ECL):** Not determined.

**CANADA INVENTORY (DSL):** Not determined.

**PHILIPPINE INVENTORY (PICCS):** Not determined.

### FOOD CONTACT STATUS

**USDA:**

H2 Status: This product is acceptable to the USDA for use as a lubricant in official meat and poultry establishments provided there is no possibility of the lubricant or lubricated part contacting edible products.

---

## 16.0 Other Information

**Prepared by:**

Environment, Health and Safety Department

**Issued:** May 25, 1995

**Supersedes:** December 03, 1990

---

*This material Safety Data Sheet conforms to the requirements of ANSI Z400.1.*

*This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.*