

# SAFETY DATA SHEET

## \*\*\*\*\* SECTION I – IDENTIFICATION \*\*\*\*\*

**Update Ltd**  
134 Peavey Circle  
Chaska MN 55318

**PHONE NUMBER**  
800/229-0009

**EMERGENCY CONTACT**  
800/535-5053

**PRODUCT NAME** #2 EP Lithium Grease

**RECOMMENDED USE** Lubricant **E-Mail** mark.brown@updateltd.com

**RESTRICTIONS ON USE** It is against federal law to use this product inconsistent with its labeling

## \*\*\*\*\* SECTION II – HAZARD(S) IDENTIFICATION \*\*\*\*\*

**OSHA Defined Hazards** Not classified

**GHS HAZARD CLASS**  
**Physical Hazards**

Not classified

**Health Hazards** Skin sensitizer – Category 1A

**Environmental Hazards** Not classified

**GHS Symbol/Pictogram**



**Signal Word** Warning

**Hazard Statements** May cause an allergic skin reaction

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\*\*\*\*\* **SECTION II – HAZARD(S) IDENTIFICATION (continued)** \*\*\*\*\*

**Precautionary Statements**

**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
Do not eat, drink or smoke when using this product  
Use explosion-proof electrical/ventilating/lighting/equipment  
Use only non-sparking tools  
Avoid breathing dust, fumes, gas, mist, vapors, spray  
Wash thoroughly after handling  
Wear protective gloves, protective clothing, eye protection, face protection

**Response**

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician  
Do not induce vomiting  
IF ON SKIN: Wash with plenty of water  
IF ON SKIN (or hair): Remove contaminated clothing. Rinse skin with water  
If skin irritation occurs, get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists, get medical advice/attention  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTER/doctor/physician if you feel unwell  
Specific treatment (see first aid section)  
In case of fire: Use foam, CO2, dry chemical

**Storage**

Store in a well ventilated place. Keep container closed when not in use  
Keep cool  
Store locked up

**Disposal**

Dispose of contents/container in accordance with local/state/federal regulations  
Avoid release to the environment

\*\*\*\*\* **SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS** \*\*\*\*\*

**Substance** \_\_\_\_\_ **Mixture**   X  

Chemical Name	CAS#	%
Highly Refined Petroleum Oils *	64742-52-5 64742-54-7	90-100%
Corrosion Inhibitor	Proprietary	0.1-1.0%

\* Hazardous only if misted

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**\*\*\*\*\* SECTION IV – FIRST AID MEASURES \*\*\*\*\*****Description Of Necessary First Aid Measures****Eye Contact**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

**Skin Contact**

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion**

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**\*\*\*\*\* SECTION V – FIREFIGHTING MEASURES \*\*\*\*\*****Extinguishing Media****Suitable**

Foam, CO<sub>2</sub>, dry chemicals, water fog or mist.

**Unsuitable**

Do not use water jet.

**Specific Hazards**

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

**Hazardous Decomposition Products**

Oxides of carbon, sulfur.

**Special Precautions – Fire Fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if it can be done without risk. No action shall be taken involving any personal risk or without suitable training.

**Special Protective Equipment – Fire Fighters**

Wear positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

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**\*\*\*\*\* SECTION VI – ACCIDENTAL RELEASE MEASURES \*\*\*\*\*****Personal Precautions, Protective Equipment And Emergency Procedures****For Non-Emergency Personnel**

Take no action involving personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Floors may be slippery, use care to avoid falling.

**For Emergency Responders**

If specialized clothing is required to deal with the spillage, take note of any information in Section VIII on suitable and unsuitable materials. See also the information in “For Non-Emergency Personnel”.

**Environmental Precautions**

Avoid dispersal of spilled products and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product causes environmental pollution.

**Methods And Materials For Containment And Cleaning Up****Small Spill**

Stop leak if without risk. Eliminate ignition sources. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large Spill**

Stop leak if without risk. Eliminate ignition sources. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with noncombustible, absorbent material and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

**\*\*\*\*\* SECTION VII – HANDLING & STORAGE \*\*\*\*\*****Precautions For Safe Handling****Protective Measures**

Put on appropriate personal protective equipment (See Section VIII). Do not swallow. Avoid contact with eyes, skin, clothing. Avoid breathing vapor and mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice On General Occupational Hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section VIII for additional information on hygiene measures.

**Conditions For Safe Storage**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section X) and food and drink. Keep away from heat, sparks and open flame. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

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\*\*\*\*\* **SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION** \*\*\*\*\*

**Exposure Limits**

<b>Ingredient Name</b>	<b>Exposure Limits</b>	
Highly Refined Petroleum Oil *	ACGIH TLV-TWA	5 mg/m3 As Mist; 8 Hours
	NIOSH STEL	10 mg/m3 As Mist
	NIOSH TWA	5 mg/m3 As Mist
	OSHA PEL-Ceiling	5 mg/m3 As Mist

Corrosion Inhibitor Not Established

\* Hazardous only if misted

**Appropriate Engineering Controls**

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

**Hygiene Measures**

Wash hands, forearms and face thoroughly after handling chemical products and before eating, smoking or using the lavatory as well as at the end of the work period. Wash contaminated clothing before reusing.

**Respiratory Protection**

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Eye Protection**

Safety glasses equipped with side shields in conjunction with a face shield are recommended in industrial settings.

**Skin Protection**

Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

\*\*\*\*\* **SECTION IX – PHYSICAL & CHEMICAL PROPERTIES** \*\*\*\*\*

**Appearance**

**Physical State** Paste  
**Color** Dark Amber

**Odor** Mild hydrocarbon  
**Odor Threshold** Not available

**Ph** None  
**Melting Point** 0 F (Oil Portion)  
**Freezing Point** 0 F (Oil Portion)  
**(Pour Point)**

**Initial Boiling Point** >600 F  
**Boiling Range** >600 F

**Drop Point** 350  
**Flash Point** >390

**Evaporation Rate** Does not evaporate

**Explosive Limits**  
**Upper** Not available  
**Lower** Not available

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\*\*\*\*\* **SECTION IX – PHYSICAL & CHEMICAL PROPERTIES (continued)** \*\*\*\*\*

<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Specific Gravity</b>	0.9
<b>Density</b>	7.5 Pounds/gallon
<b>Solubility</b>	Insoluble in water
<b>Auto Ignition Temperature</b>	>600 F
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	NLGI #2
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Volatile Organic Compounds</b>	0%, wt% (LVP)

\*\*\*\*\* **SECTION X – STABILITY & REACTIVITY** \*\*\*\*\*

**Reactivity**

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS definitions

**Chemical Stability**

This product is stable under normal conditions.

**Possibility Of Hazardous Reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions To Avoid**

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Incompatible Materials**

Reactive or incompatible with the following materials: Strong oxidizing agents.

**Hazardous Decomposition Products**

Oxides of carbon and sulfur.

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**\*\*\*\*\* SECTION XI – TOXICOLOGICAL INFORMATION \*\*\*\*\***

**Primary Routes Of Exposure:** Eye contact, Ingestion, Inhalation, Skin contact

**Acute Toxicity:** Not acutely toxic

**Information On Toxicological Effects - Effects Of Overexposure**

<b>Inhalation</b>	Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).
<b>Skin Contact</b>	Causes mild skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.
<b>Eye Contact</b>	Contact with the eye causes mild irritation. May cause tearing, redness and discomfort.
<b>Ingestion</b>	This material may be harmful or fatal if swallowed or liquid is aspirated into lungs. Ingestion may cause gastrointestinal tract irritation. May cause diarrhea.
<b>Chronic Hazards</b>	Defatting of the skin.
<b>Sensitization</b>	
<b>Respiratory</b>	Not classified
<b>Skin Sensitization</b>	Skin sensitizer – Category 1A
<b>Germ Cell Mutagenicity</b>	Non-mutagenic based on Modified Ames Assay
<b>Carcinogenicity</b>	Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. This product is not listed as a carcinogen by IARC, OSHA, NTP.
<b>Fertility Effects</b>	Contains no ingredient listed as toxic to reproduction
<b>Specific Target Organ Toxicity</b>	
<b>Single Exposure</b>	Not classified
<b>Repeated Exposure</b>	Not classified
<b>Aspiration Hazard</b>	Not classified

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\*\*\*\*\* SECTION XII – ECOLOGICAL INFORMATION \*\*\*\*\*

**Ecotoxicity**

Not available

**Persistence & Degradability**

Not available

**Bioaccumulative Potential**

Not available

**Mobility In Soil**

Not available

**Other Adverse Effects**

No known significant effects or critical hazards.

\*\*\*\*\* SECTION XIII – DISPOSAL CONSIDERATIONS \*\*\*\*\*

**Disposal Methods**

Waste generation should be avoided or minimized wherever possible. Dispose of in accordance with federal, state, and local regulations. After the container has been emptied, it may contain hazardous residues. Avoid sparks and open flame. Do not cut, puncture, or weld on or near the container. Do not reuse the container for any purpose until properly reconditioned.

**RCRA Classification**

Not a hazardous waste

\*\*\*\*\* SECTION XIV – TRANSPORT INFORMATION \*\*\*\*\*

**DOT**

<b>UN#</b>	Not regulated
<b>Description</b>	Petroleum oil, nos
<b>Transport Hazard class</b>	None
<b>Packing Group</b>	None



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\*\*\*\*\* **SECTION XV – REGULATORY INFORMATION** \*\*\*\*\*

**TSCA Section 12(b) Export notification (40 CFR 707 Subpart D):** None

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed

**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed

**SARA Section 302 – Threshold Planning Quantity :** None

**SARA Title III – Section 311/312**

<b>Immediate/Acute Health Effects</b>	: No
<b>Fire Hazard</b>	: No
<b>Delayed/Chronic Health Effects</b>	: Yes
<b>Reactivity Hazard</b>	: No
<b>Sudden Release Of Pressure Hazard</b>	: No

**Chemical Release Reporting:**

<b>SARA Section 313</b>	: Not listed
<b>CERCLA</b>	: Not listed

**TSCA Inventory** : All product ingredients are listed on the chemical inventory.

**Clean Air Act**

**Ozone Depleting Compounds** : No

\*\*\*\*\* **SECTION XVI – OTHER INFORMATION** \*\*\*\*\*

The above mentioned information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition the person receiving it shall make his own determination as to the suitability of the material for his particular use and on the condition he assume the risk of his use thereof.

**HMIS HAZARD CLASS:**

Health	1 (Slight)
Fire	1 (Slight)
Reactivity	0 (Least)
Personal Protection	B

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