

# Powerfist Lithium Complex Grease

## Safety Data Sheet

LM Issue date: 09/24/2013

NRL Revision date: 04/06/16

Rev#0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Powerfist Lithium Complex Grease (EP2)  
 Product form : Mixture  
 Product code : 8007270 (5045)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Lubricant

#### 1.3. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Lubricant

#### 1.4. Details of the supplier of the safety data sheet

25 Midland Street  
 Winnipeg, Manitoba R3E 3J6  
 PH: (204) 788-1030 | TF: (855) 755-6737  
 EM info@nemco.ca

#### 1.5. Emergency telephone number

Emergency number : CANUTEC: +1-613-996-6666 or \*666 (cellular) (24/7)  
 Emergency number with hours of operation : Nemco: Monday-Friday 8am-4:30pm 204-788-1030 or Toll free 1-855-755-6737

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES

#### 2.2. Label elements

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
 First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.  
 First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
 First-aid measures after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Call a POISON CENTER/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.  
 Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.  
 Symptoms/injuries after eye contact : May cause slight temporary irritation.  
 Symptoms/injuries after ingestion : Not expected to be toxic. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire: water, foam , dry chemical, or CO<sub>2</sub>.  
 Unsuitable extinguishing media : None known.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard : Not flammable.  
 Explosion hazard : Product is not explosive.  
 Reactivity : No dangerous reactions known under normal conditions of use.

**5.3. Advice for firefighters**

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**6.1.1. For non-emergency personnel**

No additional information available

**6.1.2. For emergency responders**

No additional information available

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

For containment : Small spills may be absorbed with dry inert material such as sand , then swept or shoveled into appropriate container for disposal. Prevent entry to sewers and public waters.  
 Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.

**6.4. Reference to other sections**

No additional information available

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Wear recommended personal protective equipment. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety practices.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use.

**7.3. Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

Personal protective equipment : Safety glasses.



Hand protection : In case of repeated or prolonged contact wear gloves.  
 Eye protection : Wear closed safety glasses.  
 Skin and body protection : Wear long sleeves.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state : Solid  
 Appearance / Colour : Various  
 Odor : Petroleum-like odour.  
 Odor Threshold : No data available  
 pH : No data available  
 Relative evaporation rate (butylacetate=1) : No data available  
 Melting point : No data available  
 Freezing point : No data available  
 Boiling point : > 371 °C  
 Flash point : > 204 °C  
 Self ignition temperature : No data available  
 Decomposition temperature : No data available  
 Flammability (solid, gas) : No data available  
 Vapour pressure : No data available  
 Relative density : No data available  
 Density : 0.906/0.900/0.894 @ 20 C  
 Solubility : Water: < 5 %  
 Viscosity, kinematic : No data available  
 Viscosity, dynamic : No data available  
 Explosive limits : No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

Thermal decomposition generates : Carbon monoxide. Carbon dioxide.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Not classified

Powerfist Lithium Complex Grease	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Not classified  
 Serious eye damage/irritation : Not classified  
 Respiratory or skin sensitisation : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Not classified  
 Reproductive toxicity : Not classified  
 Specific target organ toxicity (single exposure) : Not classified  
 Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified  
 Symptoms/injuries after inhalation : May cause respiratory irritation.  
 Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.  
 Symptoms/injuries after eye contact : May cause slight temporary irritation.  
 Symptoms/injuries after ingestion : Not expected to be toxic. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

**SECTION 12: Ecological information**

**12.1. Toxicity**  
 No additional information available  
**12.2. Persistence and degradability**  
 No additional information available  
**12.3. Bioaccumulative potential**  
 No additional information available  
**12.4. Mobility in soil**  
 No additional information available  
**12.5. Other adverse effects**  
 No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**  
 Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA  
**14.1. UN number**  
 Not applicable. Not regulated by DOT.  
**14.2. UN proper shipping name**  
 Packing group (DOT) : Not applicable. Not regulated by DOT.  
**14.3. Additional information**  
 Other information : No supplementary information available.  
**Overland transport**  
 No additional information available  
**Transport by sea**  
 No additional information available  
**Air transport**  
 No additional information available

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

<b>Powerfist Lithium Complex Grease</b>	
This product is listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements	
SARA Section 311/312 Hazard Classes	None

**15.2. International regulations**

**CANADA**

<b>Powerfist Lithium Complex Grease</b>	
WHMIS Classification	Not classified- This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

**EU-Regulations**

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Not classified

**15.2.2. National regulations**

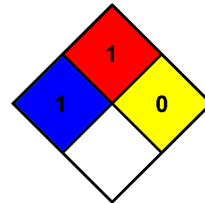
**15.3. US State regulations**

<b>Naphthalene (91-20-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	NO	NO	NO	5.8 µg/day

**SECTION 16: Other information**

SDS Prepared By : Author. MLT  
Date Prepared : 04/06/16  
Contact Number of Preparer : 1 (204) 788-1030

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA fire hazard : 1 - Must be preheated before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



**HMIS III Rating**

Health : 1  
Flammability : 1  
Physical : 0  
Personal Protection :

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.