

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

### 1.1 Product identifier

**Product name:** Powergrease HD

**Other identification:** Also applies to: Lithium EP 2 Grease, Lithium EP 3 Grease

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

Lubricant

### 1.3 Details of the supplier of the safety data sheet

SwanTek

Mintsfeet Road South, Kendal, LA9 6ND, UK

Tel: +44 (0)1539 722247 Email: [service@swantek.com](mailto:service@swantek.com) Web: [www.swantek.com](http://www.swantek.com)

### 1.4 Emergency telephone number

As per section 1.3

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

Not classified as hazardous under CLP.

### 2.2 Label elements

**Hazard pictograms:** (none)

(none)

(none)

(none)

**Signal word:** (none)

**Hazard statements:** None

**Precautionary statements:** None

**Other label elements:** None

### 2.3 Other hazards

None

## Section 3: Composition / information on ingredients

### 3.1 Substances

### 3.2 Mixtures

Blend of mineral oils with multifunctional additives.

The mineral oil contains less than 3% DMSO extract as measured by IP 346.

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts

Content: < 1.5%

CAS / EC: 85940-28-9

REACH: 01-211952121-61

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Aquatic Chronic 2, H411

## Section 4: First aid measures

### 4.1 Description of first aid measures

**General:**

**Inhalation:**

**Ingestion:** Do not induce vomiting. Obtain medical attention.

**Skin:** Wash skin with soap and water. If grease has been injected under the skin, seek medical advice

immediately.

**Eye:** Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.

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

**General:** No ill effects.

**Inhalation:**

**Ingestion:**

**Skin:**

**Eye:**

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

Eye Contact: Immediately wash out with plenty of water.

### **Section 5: Firefighting measures**

#### **5.1 Extinguishing media**

Use water spray to cool containers. Use foam, dry chemical, carbon dioxide or suitable extinguishing media.

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

This product may give rise to hazardous fumes in a fire.

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus.

### **Section 6: Accidental release measures**

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

Refer to section 8 for personal protection details.

#### **6.2 Environmental precautions**

Do not pour grease directly into the main drains or water course.

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

Transfer into suitable containers for recovery or disposal.

#### **6.4 Reference to other sections**

### **Section 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Avoid direct contact with the substance.

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

Store in cool well ventilated area.

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

Industrial lubricant.

### **Section 8: Exposure controls / personal protection**

#### **8.1 Control parameters**

#### **8.2 Exposure controls**

HAND PROTECTION: PVC gloves.

EYE PROTECTION: Wear approved safety goggles.

BODY PROTECTION: Normal work wear.

RESPIRATORY PROTECTION: Not normally required.

### **Section 9: Physical and chemical properties**

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

*Note: This information represents typical data and is not a specification.*

PHYSICAL STATE	Smooth grease
COLOUR	Brown
ODOUR	Odourless
PH	Neutral

MELTING POINT (°C)	> 185
FLASH POINT (PMCC) (°C)	> 200
FLAMMABILITY	> 200
RELATIVE DENSITY (kg/L)	0.89 - 0.93
SOLUBILITY IN OIL	Soluble
SOLUBILITY IN WATER	Insoluble
AUTO IGNITION TEMPERATURE (°C)	> 200

## **9.2 Other information**

## **Section 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reactions known.

### **10.2 Chemical stability**

Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

None known.

### **10.4 Conditions to avoid**

Heat.

### **10.5 Incompatible materials**

Strong oxidising agents.

### **10.6 Hazardous decomposition products**

Combustion will generate: smoke, carbon dioxide and carbon monoxide.

## **Section 11: Toxicological information**

### **11.1 Information on toxicological effects**

ACUTE TOXICITY: No toxic components.

CORROSIVITY/IRRITATION: Non irritating to skin/eye/respiratory tract.

SENSITISATION: No evidence of sensitisation.

REPEAT DOSE TOXICITY: No evidence.

MUTAGENICITY: No evidence.

CARCINOGENICITY: No evidence.

REPRODUCTIVE TOXICITY: No evidence.

## **Section 12: Ecological information**

### **12.1 Toxicity**

Not classified.

### **12.2 Persistence and degradability**

Only slightly biodegradable.

### **12.3 Bioaccumulative potential**

Product is not expected to bio-accumulate.

### **12.4 Mobility in soil**

Non volatile. The product is poorly absorbed onto soils or sediments.

### **12.5 Results of PBT and vPvB assessment**

Not present.

### **12.6 Other adverse effects**

## **Section 13: Disposal considerations**

### **13.1 Waste treatment methods**

Dispose in a regulated landfill site or other method for hazardous or toxic waste. Dispose of in accordance with local and national regulations. Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## Section 14: Transport information

### General

Not classified as hazardous for transport under ADR/RID/IMDG/IATA.

#### 14.1 UN Number

#### 14.2 UN proper shipping name

#### 14.3 Transport hazard class(es)

#### 14.4 Packing group

#### 14.5 Environmental hazards

#### 14.6 Special precautions for user

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

## Section 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Supply regulations: classified as non-hazardous under CLP criteria.

Transport regulations: classified as non-hazardous under ADR/RID/IMDG/ICAO/IATA.

### 15.2 Chemical safety assessment

## Section 16: Other information

The responsibility to ensure safe working conditions within the workplace remains with the user. The information on this SDS is given as a guide to the precautions required to maintain a safe work environment. This product is for professional use only. Not for sale or resale to the general public. Use in applications other than those described above may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties and are not a specification. Please report any errors.