



# Safety Data Sheet

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 20-May-2015

Revision Number 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** W20059  
**Product Name** SWEPCO 103 Moly HI Plus Grease

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

**Recommended Use** Lubricant  
**Uses advised against** Any non-label use

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

<b>Importer</b>	<b>Manufacturer</b>	<b>Supplier</b>
NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141	NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141	NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141

### 1.4. Emergency telephone number

**Emergency Telephone** Belgium Office: 011-323-312-3141  
US Office: +01-817-332-2336

#### Emergency Telephone - §45 - (EC)1272/2008

Europe	112
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## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

### 2.2. Label elements

**Product Identifier**  
SWEPCO 103 Moly HI Plus Grease

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]  
EUH210 - Safety data sheet available on request

### 2.3. Other hazards

4.114% of the mixture consists of ingredient(s) of unknown toxicity.  
20.3283 % of the mixture consists of component(s) of unknown hazards to the aquatic environment  
No other information available.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	EC No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Petroleum distillates, hydrotreated heavy naphthenic	265-155-0	64742-52-5	70 - 80%	Carc. 1B (H350)	05-2115856849-23-000
Barium stearate	229-966-3	6865-35-6	10 - 20%	Acute Tox. 4 (H302) Acute Tox. 4 (H332)	None Required
Barium acetate	208-849-0	543-80-6	0 - 10%	Acute Tox. 4 (H302) Acute Tox. 4 (H332)	None Required
Molybdenum (IV) sulfide	215-263-9	1317-33-5	0 - 10%	No data available	None Required
Graphite	231-955-3	7782-42-5	0 - 10%	No data available	None Required

#### Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

<b>Inhalation</b>	First aid is not required.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.

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

<b>Symptoms</b>	No other information available.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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### Section 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

##### Suitable Extinguishing Media

Foam. Dry chemical or CO<sub>2</sub>. Cool containers with flooding quantities of water until well after fire is out.

##### Unsuitable Extinguishing Media

Do not scatter spilled material with high pressure water streams.

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

Thermal decomposition can lead to release of irritating gases and vapors.

##### Hazardous Combustion Products

Hydrogen sulfide (H<sub>2</sub>S) may be produced above 250° F (121° C). Decomposition and combustion products may be toxic.

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

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

Ensure adequate ventilation.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Clean-up**

Take up mechanically and collect in suitable container for disposal.

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

See section 8 for more information. See section 13 for more information.

## **Section 7: HANDLING AND STORAGE**

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

#### **Handling**

Ensure adequate ventilation.

#### **General Hygiene Considerations**

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

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

#### **Storage**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

#### **Incompatible Materials**

Strong oxidizing agents.

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

#### **Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

#### **Exposure limits**

If there are exposure limits set for any components of this product, they will be listed below. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients:

Chemical Name	EU OEL	United Kingdom	France	Spain	Germany
Barium stearate				VLA-ED: 0.5	-

6865-35-6					
Barium acetate 543-80-6				VLA-ED: 0.5	-
Molybdenum (IV) sulfide 1317-33-5				VLA-ED: 10 VLA-ED: 5	-
Graphite 7782-42-5			TWA: 2 mg/m <sup>3</sup>	VLA-ED: 2 mg/m <sup>3</sup> VLA-ED (dust)	-
<b>Chemical Name</b>	<b>Italy</b>	<b>Portugal</b>	<b>Netherlands</b>	<b>Finland</b>	<b>Denmark</b>
Barium stearate 6865-35-6	-	TWA: 0.5 mg/m <sup>3</sup>	-	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Barium acetate 543-80-6	-	TWA: 0.5 mg/m <sup>3</sup>	-	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Molybdenum (IV) sulfide 1317-33-5	-	TWA: 0.5 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	-	TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Graphite 7782-42-5	-	TWA: 2 mg/m <sup>3</sup>	-	TWA: 5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
Barium stearate 6865-35-6	STEL: 2 MAK: 0.5			TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Barium acetate 543-80-6	STEL: 2 MAK: 0.5			TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Molybdenum (IV) sulfide 1317-33-5	STEL: 10 STEL: 30 MAK: 15 MAK: 5		NDSch: 10 mg/m <sup>3</sup> NDS: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Graphite 7782-42-5	MAK: 6 mg/m <sup>3</sup> MAK (respirable fraction, fibrous dust)	TWA: 2.5 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	NDS: 4.0 mg/m <sup>3</sup> NDS: 6.0 mg/m <sup>3</sup> NDS: 1.0 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	

**Derived No Effect Level (DNEL)** No other information available.

**Predicted No Effect Concentration (PNEC)** No other information available.

## 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/face Protection** Tightly fitting safety goggles.

**Skin Protection** Long sleeved clothing.

**Environmental exposure controls** No other information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical State** Grease  
**Color** Grey  
**Odor** No other information available  
**Odor Threshold** No other information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No other information available	
Melting point / freezing point	No other information available	
Boiling Point/Range	No other information available	
Flash Point	179 °C	
Evaporation Rate	No other information available	
Flammability (solid, gas)	No other information available	
Flammability Limit in Air		
Upper flammability limit:	7.0	
Lower flammability limit:	0.9	
Vapor pressure	No other information available	
Vapor Density	>5	
Relative density	0.9	

<b>Water Solubility</b>	No other information available
<b>Solubility in other solvents</b>	Insoluble
<b>Partition coefficient</b>	No other information available
<b>Autoignition Temperature</b>	343 °C
<b>Decomposition temperature</b>	No other information available
<b>Kinematic viscosity @40C</b>	No other information available
<b>Dynamic viscosity</b>	No other information available
<b>Explosive Properties</b>	No other information available
<b>Oxidizing Properties</b>	No other information available

**9.2. Other information**

<b>Softening Point</b>	No other information available
<b>Molecular Weight</b>	No other information available
<b>Volatiles, % Vol</b>	No data available
<b>Density</b>	No other information available
<b>Bulk Density</b>	No other information available

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

Stable under normal conditions. Hazardous polymerization does not occur.

Explosion Data

Sensitivity to static discharge      None.

**10.3. Possibility of hazardous reactions****Possibility of Hazardous Reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

Hydrocarbons. Carbon monoxide. Hydrogen sulfide (H<sub>2</sub>S) may be produced above 250° F (121° C).

## Section 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects****Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

<b>Inhalation</b>	No data available.
<b>Eye Contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**      2,179.00

**Unknown acute toxicity**

100% of the mixture consists of ingredient(s) of unknown toxicity.

84.714 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.  
 99.714 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Skin Corrosion/Irritation** No other information available.

**Serious eye damage/eye irritation** No other information available.

**Sensitization** No other information available.

**Mutagenic Effects** No other information available.

**Carcinogenic Effects** No other information available.

Chemical Name	EU Carc*
Petroleum distillates, hydrotreated heavy naphthenic	Carc. 1B

**Reproductive Effects** No other information available.

**STOT - single exposure** No other information available.

**STOT - repeated exposure** No other information available.

**Aspiration hazard** No other information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Unknown Aquatic Toxicity 20.3283 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Freshwater Fish	Water Flea
Petroleum distillates, hydrotreated heavy naphthenic	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

### 12.2. Persistence and degradability

No other information available.

### 12.3. Bioaccumulative potential

No other information available.

### 12.4. Mobility in soil

#### **Mobility in soil**

No other information available.

### 12.5. Results of PBT and vPvB assessment

No other information available.

### 12.6. Other adverse effects

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<b>Waste from Residues / Unused Products</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.
<b>Other Information</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

### IMDG/IMO

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not Regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Marine Pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No other information available

### RID

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not Regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

### ADR

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not Regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

### IATA

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)  
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**15.2. Chemical safety assessment**

No other information available

**Section 16: OTHER INFORMATION****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

H332 - Harmful if inhaled

H350 - May cause cancer

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

**Classification procedure**

Calculation method

**Prepared By**

Regulatory Compliance Department

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008.

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text**

**End of Safety Data Sheet**