



A CSW Industrials Company

# SAFETY DATA SHEET

Issuing Date 25-Apr-2016

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Revision Number 0

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

### 1.1. Product identifier

Product Name **HAMMER GREASE**

Synonyms None

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

Recommended Use Lubricants, Greases and Release Products

Uses advised against No information available

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

|   |  |
|---|--|
| <b>Importer</b>                             | <b>Company</b>                         |
| Jet-Lube (UK) Ltd                           | Jet-Lube, Inc.                         |
| Jet-Lube House                              | 4849 Homestead Rd.                     |
| Reform Road                                 | Suite 232                              |
| Maidenhead                                  | Houston, Texas 77028                   |
| Berkshire UK                                | TEL: 713-670-5700 (7:00 a.m. - 5 p.m.) |
| SL6 8BY                                     |  |
| TEL: 44 1628-631913 (8:00 a.m. - 5:00 p.m.) |  |

### For further information, please contact

E-mail Address [doldiges@jetlube.com](mailto:doldiges@jetlube.com)

### 1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

|        |     |
|--------|-----|
| Europe | 112 |
|--------|-----|

## Section 2. Hazards identification

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

#### REGULATION (EC) No 1272/2008

|   |            |
|---|------------|
| Acute Inhalation Toxicity - Dusts and Mists | Category 4 |
|---|------------|

#### Physical Hazards

|      |
|------|
| None |
|------|

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) Xn - Harmful  
R-code(s) Xn;R20/22

For the full text of the R-phrases mentioned in this Section, see Section 16

### 2.2. Label Elements

**Signal Word****Warning****Hazard Statements**

H332 - Harmful if inhaled

EUH210 - Safety data sheet available on request

**Precautionary Statements**

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

P271 - Use only outdoors or in a well-ventilated area

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor/ physician if you feel unwell

**2.3. Other information**

### Section 3. Composition/information on ingredients

**3.1. Substances**

| Chemical Name  | EC-No     | CAS-No     | Weight % | Classification       | EU - GHS Substance Classification                                      | REACH No.         |
|--|-----------|------------|----------|----------------------|--|-------------------|
| Residual oils (petroleum), solvent refined                 | 265-101-6 | 64742-01-4 | 60-70    | Carc.Cat.2; R45      | Carc. 1B (H350)  | No data available |
| Graphite   | 231-955-3 | 7782-42-5  | 10-15    | -                    |  | No data available |
| Petroleum distillates, hydrotreated heavy naphthenic       | Present   | 64742-52-5 | 10-15    | Carc.Cat.2; R45      | Carc. 1B (H350)  | No data available |
| Molybdenum (IV) sulfide                                    | 215-263-9 | 1317-33-5  | 2-5      | -                    |  | No data available |
| Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6-11)- | 240-028-2 | 15890-25-2 | 1-2      | Xn; R20/22 N; R51-53 | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H332)<br>Aquatic Chronic 2 (H411) | No data available |

**For the full text of the H-Statements mentioned in this Section, see Section 16**

**Note**

The full refining history is known for this product and it can be shown that the substance from which it is produced is not a carcinogen. This note applies only to certain complex oil derived substances in Annex I.

### Section 4. First aid measures

**4.1. Description of first-aid measures****General Advice**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

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|                                   |  |
|-----------------------------------|--|
| <b>Skin Contact</b>               | Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.  |
| <b>Ingestion</b>                  | Immediate medical attention is required. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately. |
| <b>Inhalation</b>                 | Move to fresh air. If not breathing, give artificial respiration. Consult a physician.   |
| <b>Protection of First-aiders</b> | Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.   |

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

**Most Important Symptoms/Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

### **Section 5. Fire-fighting measures**

#### **5.1. Extinguishing media**

##### **Suitable Extinguishing Media**

Dry powder. Carbon dioxide (CO<sub>2</sub>). Foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

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

##### **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Burning produces obnoxious and toxic fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Heavy metal compounds.

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

##### **Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

### **Section 6. Accidental release measures**

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

Use personal protective equipment.

#### **6.2. Environmental precautions**

Do not allow material to contaminate ground water system.

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

Prevent further leakage or spillage if safe to do so.

Take up mechanically and collect in suitable container for disposal.

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

See Section 12 for additional information.

### **Section 7. Handling and storage**

#### **7.1. Precautions for Safe Handling**

**Handling**

Wear personal protective equipment. Ensure adequate ventilation.

**Hygiene Measures**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

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

Keep container tightly closed in a dry and well-ventilated place. Keep in a bunded area

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

No information available.

**Other Guidelines**

No information available.

**Section 8. Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

| Chemical Name  | EU   | The United Kingdom  | France   | Spain   | Germany  |
|--|--|---|--|---|--|
| Graphite<br>7782-42-5  |  | STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup> | VME: 2 mg/m <sup>3</sup>   | VLA-ED: 2 mg/m <sup>3</sup>   | MAK: 1.5 mg/m <sup>3</sup><br>MAK: 4 mg/m <sup>3</sup> |
| Molybdenum (IV) sulfide<br>1317-33-5   |  | TWA: 10 mg/m <sup>3</sup>   |  | VLA-ED: 10 mg/m <sup>3</sup><br>VLA-ED: 3 mg/m <sup>3</sup>   |  |
| Antimony,<br>tris(dipentylcarbamodithioato-<br>S,S'), (OC-6-11)-<br>15890-25-2         |  | TWA: 0.5 mg/m <sup>3</sup>  | TWA: 0.5 mg/m <sup>3</sup>   | TWA: 0.5 mg/m <sup>3</sup>  |  |
| Component  | Italy  | Portugal  | The Netherlands  | Finland   | Denmark  |
| Graphite<br>7782-42-5 ( 10-15 )  |  | TWA: 2 mg/m <sup>3</sup>  |  | TWA: 2 mg/m <sup>3</sup>  | TWA: 2.5 mg/m <sup>3</sup>                             |
| Molybdenum (IV) sulfide<br>1317-33-5 ( 2-5 )   |  | TWA: 10 mg/m <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup>   |  |   | TWA: 10 mg/m <sup>3</sup>                              |
| Antimony,<br>tris(dipentylcarbamodithioato-<br>S,S'), (OC-6-11)-<br>15890-25-2 ( 1-2 ) |  | TWA: 0.5 mg/m <sup>3</sup>  | TWA: 0.5 mg/m <sup>3</sup>   | TWA: 0.5 mg/m <sup>3</sup>  | TWA: 0.5 mg/m <sup>3</sup>                             |
| Chemical Name  | Austria  | Switzerland   | Poland   | Norway  | Ireland  |
| Graphite<br>7782-42-5  | STEL 10 mg/m <sup>3</sup><br>MAK: 5 mg/m <sup>3</sup>    | MAK: 2.5 mg/m <sup>3</sup><br>MAK: 5 mg/m <sup>3</sup>  | NDS: 4.0 mg/m <sup>3</sup><br>NDS: 1.0 mg/m <sup>3</sup><br>NDS: 6.0 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup><br>TWA: 2 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup><br>STEL: 10 mg/m <sup>3</sup><br>STEL: 4 mg/m <sup>3</sup><br>STEL: 20 mg/m <sup>3</sup><br>STEL: 8 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup>  |
| Molybdenum (IV) sulfide<br>1317-33-5   | STEL 20 mg/m <sup>3</sup><br>MAK: 10 mg/m <sup>3</sup>   | MAK: 10 mg/m <sup>3</sup>   | NDSch: 10 mg/m <sup>3</sup><br>NDS: 4 mg/m <sup>3</sup>                                | TWA: 10 mg/m <sup>3</sup><br>STEL: 20 mg/m <sup>3</sup>   | TWA: 3 mg/m <sup>3</sup><br>TWA: 0.5 mg/m <sup>3</sup> |
| Antimony,<br>tris(dipentylcarbamodithioato-<br>S,S'), (OC-6-11)-<br>15890-25-2         | STEL 1.5 mg/m <sup>3</sup><br>TWA: 0.5 mg/m <sup>3</sup> |   |  | TWA: 0.5 mg/m <sup>3</sup><br>STEL: 1.5 mg/m <sup>3</sup>   | TWA: 0.5 mg/m <sup>3</sup>                             |

**Derived No Effect Level** No information available  
**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

|                                      |  |
|--------------------------------------|--|
| <b>Engineering Measures</b>          | Ensure adequate ventilation, especially in confined areas.   |
| <b>Personal protective equipment</b> |  |
| <b>Eye Protection</b>                | Safety glasses with side-shields.  |
| <b>Skin and Body Protection</b>      | Long sleeved clothing.   |
| <b>Hand Protection</b>               | Impervious gloves. Nitrile rubber. Viton (R). Neoprene.  |
| <b>Respiratory Protection</b>        | None required under normal usage. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |

**Environmental Exposure Controls** Do not allow material to contaminate ground water system.

**Section 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                       |                     |                   |       |
|-----------------------|---------------------|-------------------|-------|
| <b>Physical State</b> | Semi-fluid (paste). | <b>Appearance</b> | Black |
| <b>Odor</b>           | Petroleum like.     |                   |       |

| <u>Property</u>                        | <u>Values</u>            | <u>Remarks/ - Method</u> |
|--|--------------------------|--------------------------|
| pH                                     | Neutral                  | None known               |
| Melting Point/Range                    | NONE                     | None known               |
| Boiling Point/Boiling Range            | > 315 °C                 | None known               |
| Flash Point                            | > 310 °C                 | None known               |
| Evaporation rate                       | No data available        | None known               |
| Flammability (solid, gas)              | No data available        | None known               |
| Vapor Pressure                         | No data available        | None known               |
| Vapor Density                          | No data available        | None known               |
| Relative Density                       | 1.03                     | None known               |
| Water Solubility                       | Insoluble in water.      | None known               |
| Solubility in other solvents           | Largely                  | None known               |
| Partition coefficient: n-octanol/water | No data available        | None known               |
| Autoignition Temperature               | No data available        | None known               |
| Decomposition Temperature              | No data available        | None known               |
| Viscosity                              | No data available        | None known               |
| Explosive Properties                   | No information available |                          |
| Oxidizing Properties                   | No information available |                          |

**9.2. Other information**

|                                   |                           |
|-----------------------------------|---------------------------|
| <b>VOC Content (%)</b>            | None                      |
| <b>Flammability Limits in Air</b> | No information available. |

**Section 10. Stability and reactivity****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

None known based on information supplied.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

None under normal use.

## Section 11. Toxicological information

### 11.1.

#### Acute Toxicity

##### Product Information

##### Inhalation

Harmful by inhalation.

##### Eye Contact

None known.

##### Skin Contact

None known.

##### Ingestion

Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name                              | LD50 Oral         | LD50 Dermal          | LC50 Inhalation                      |
|--|-------------------|----------------------|--------------------------------------|
| Residual oils (petroleum), solvent refined | >5000 mg/kg (rat) | >2000 mg/kg (rabbit) | = 2.18 mg/L ( Rat ) 4 h              |
| Molybdenum (IV) sulfide                    |                   |                      | > 2820 mg/m <sup>3</sup> ( Rat ) 4 h |

#### Sensitization

None known.

#### Mutagenic Effects

None known.

#### Carcinogenic Effects

The classification listed below for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

| Chemical Name                              | EU Annex I Carcinogen Information | UK |
|--|-----------------------------------|----|
| Residual oils (petroleum), solvent refined | Category 2                        |    |

#### Reproductive Toxicity

None known.

#### Developmental Toxicity

None known.

#### STOT - single exposure

None known

#### STOT - repeated exposure

None known

#### Target Organ Effects

Central vascular system (CVS). Eyes. Respiratory system. Skin.

#### Aspiration Hazard

Not applicable

## Section 12. Ecological information

### 12.1. Toxicity

#### Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

| Chemical Name  | Toxicity to Algae | Toxicity to Fish                             | Toxicity to Microorganisms | Daphnia Magna (Water Flea)             |
|--|-------------------|--|----------------------------|--|
| Residual oils (petroleum), solvent refined           | -                 | > 5000 mg/L: LC50 96 h (Oncorhynchus mykiss) | -                          | EC50 48 h: > 1000 mg/L (Daphnia magna) |
| Petroleum distillates, hydrotreated heavy naphthenic |                   | LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss) |                            | EC50 48 h: > 1000 mg/L (Daphnia magna) |

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential.

No information available.

### 12.4. Mobility in soil

Adsorbs on soil.

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

No information available.

#### **12.6. Other adverse effects**

This product does not contain any known or suspected endocrine disruptors.

### **Section 13. Disposal considerations**

#### **13.1. Waste treatment methods**

|  |  |
|--|--|
| <b>Waste from Residues / Unused Products</b> | Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations  |
| <b>Contaminated Packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or 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-Number</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>Description</b>  | Not applicable.           |
| <b>14.5. Marine Pollutant</b>   | None.                     |
| <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 information available. |

#### **RID**

|                                   |                 |
|-----------------------------------|-----------------|
| <b>14.1. UN-Number</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>Description</b>                | Not applicable. |
| <b>14.5. Environmental hazard</b> | None.           |
| <b>14.6. Special Provisions</b>   | None.           |

#### **ADR**

|                                   |                 |
|-----------------------------------|-----------------|
| <b>14.1. UN-Number</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>Description</b>                | Not applicable. |
| <b>14.5. Environmental hazard</b> | None.           |
| <b>14.6. Special Provisions</b>   | None.           |

#### **ICAO**

|                        |                |
|------------------------|----------------|
| <b>14.1. UN-Number</b> | Not regulated. |
|------------------------|----------------|

|                            |                 |
|----------------------------|-----------------|
| 14.2. Proper shipping name | Not regulated.  |
| 14.3. Hazard Class         | Not regulated.  |
| 14.4. Packing Group        | Not regulated.  |
| Description                | Not applicable. |
| 14.5. Environmental hazard | None.           |
| 14.6. Special Provisions   | None.           |

**IATA**

|                            |                 |
|----------------------------|-----------------|
| 14.1. UN-Number            | Not regulated.  |
| 14.2. Proper Shipping Name | Not regulated.  |
| 14.3. Hazard Class         | Not regulated.  |
| 14.4. Packing Group        | Not regulated.  |
| Description                | Not applicable. |
| 14.5. Environmental hazard | None.           |
| 14.6. Special Provisions   | None.           |

## Section 15. Regulatory information

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

**WGK Classification** Water endangering class = 1

#### International Inventories

|               |                |
|---------------|----------------|
| TSCA          | Complies       |
| EINECS/ELINCS | Complies       |
| DSL/NDL       | Complies       |
| PICCS         | Not determined |
| ENCS          | Not determined |
| IECSC         | Not determined |
| AICS          | Not determined |
| KECL          | Not determined |

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

### 15.2. Chemical Safety Assessment

No information available

## Section 16. Other information

#### Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H332 - Harmful if inhaled

H411 - Toxic to aquatic life with long lasting effects

H350 - May cause cancer

EUH210 - Safety data sheet available on request



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**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Issuing Date** 28-Jan-2015

**Revision Date** 28-Jan-2015

**Revision Note** Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

**General Disclaimer**

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