



## MATERIAL SAFETY DATA SHEET

In accordance with guidance (EC) No. 1907/2006 (REACH) Annex II EUROPE, and (EC) No. 453/2010

### GREASE CSH

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

##### Product Identifier

**Product Name** GREASE CSH 1, 1.5, 2, 3  
**Product Code** ELD10466, ELD104665, ELD10468, ELD10469  
**Substance/mixture use** Lubricating Grease

##### Company Details

**Producer** ELDON'S SA  
20 Souliou Street  
143 43 N. Halkidon  
Athens - Greece

**Supplier** ELDON'S SA  
20 Souliou Street  
143 43 N. Halkidon  
Athens - Greece  
Tel.: + 30 210 2594400  
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e-mail: reach@eldons.gr

**Emergency Telephone number** Office hours: +30 210 2594400  
Out of hours: +30 210 7793777 [Poisoning centre]

#### 2. Hazards Identification

The product is not classified according to CLP and EU Regulation 1272/2008 and its updates.

**Classification** N/a  
**Labelling** N/a

**Hazard statements** N/a

**Precautionary statements** EUH210 Safety Data Sheet available upon request  
Hazardous components which must be listed on the label: N/a

##### **Classification of Substance according to EC 1272/2008 [CLP] and its updates**

**Classification** N/a

**See section 11 for more detailed information on symptoms and health effects.**

#### 3. Composition / Information on Ingredients

##### Substance/mixture

| Hazardous Components (GHS)   | %        | EC Nr / CAS Nr                        | Classification                              |
|--|----------|---------------------------------------|---|
| Distillates (petroleum), hydrotreated heavy paraffinic                     | 70 - 100 | EC Nr 265-157-1<br>CASRN 64742-54-7   | Not Classified                              |
| Calcium Sulfonate Complex Thickener  | < 25     | CBI                                   | Not Classified                              |
| Calcium Carbonate  | < 5      | CASRN 471-34-1<br>EC Number 207-439-9 | Skin Irritant 2; H315<br>Eye Damage 1; H318 |
| Chemical Additives   | < 5      | CBI                                   | Not Classified                              |
| <b>See section 16 for full text of the above classification statements</b> |          |                                       |   |

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as hazardous to health or the environment and hence require reporting in this section.**

- (1) Substances classified with health and environmental hazards
- (2) Substance with a workplace exposure limit

**Occupational exposure limits if available, are listed in section 8.**

#### 4. First aid Measures

##### First Aid Measures

|                            |  |
|----------------------------|--|
| Inhalation                 | Move exposed person to fresh air. Keep person warm and at rest. If not breathing, or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.  |
| Ingestion                  | Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious give small quantities of water to drink. Do not incur vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Skin contact               | Wash with soap and water. Remove contaminated clothing and wash before next use. In case of injury by high pressure jet of the product seek medical attention. In case of contact with hot product, cool immediately before following the above procedure.   |
| 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 10 minutes. Get medical attention if irritation occurs.   |
| Protection of first-aiders | No action shall be taken involving personal risk or without suitable training.   |
| Notes to physician         | No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |

#### 5. Fire-Fighting Measures

##### Extinguishing media

|  |  |
|--|--|
| Suitable                                       | Use an extinguishing agent suitable for the surrounding fire.  |
| Non suitable                                   | Not Known.   |
| Special Exposure hazards                       | In a fire or if heated a pressure increase will occur and the container may burst or melt. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving personal risk or without suitable training. |
| Products of combustion                         | Carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ), smoke and irritating vapours as products of incomplete combustion.   |
| Special protective equipment for fire-fighters | Fire-fighters must wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  |
| Remark   | Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.   |

#### 6. Accidental Release Measures

|                            |  |
|----------------------------|--|
| Personal Precautions       | No action shall be taken involving personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see section 8)   |
| Environmental Precautions  | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).  |
| <u>Cleaning up methods</u> |  |
| Small spills               | Stop leakage if without risk. Move containers from spill area. Collect spilt material with suitable means. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor according to local legislation.   |
| Large spills               | Stop leakage if without risk. Move containers from spill area. Prevent entry into waterways or confined areas. Collect material with the use of a suction pump or other equipment. Wash effluent into an effluent treatment plant or process as follows. Contain and collect spillage with non combustible, absorbent material |

e.g. sand, earth, diatomaceous earth and place in a container for disposal in accordance with local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergence contact information and section 13 for waste disposal.

## 7. Handling and Storage

|  |  |
|--|--|
| Handling                                 | Wear appropriate protective personal equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.   |
| 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 10) and foodstuff. Keep container tightly closed and sealed until ready for use. 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. |
| <b>Packaging material</b><br>Recommended | Use original container.  |

## 8. Exposure Controls / Personal Protection

### Exposure Limit Values

| Ingredient Name  | Occupational Exposure Limits   |
|--|--|
| Distillates (petroleum), hydrotreated heavy paraffinic | <b>ACGIH TVL (United States). Notes: (Oil Mist)</b><br>TWA: 5 mg/m <sup>3</sup> 8 hour(s)<br>STEL: 10 mg/m <sup>3</sup> 15 minute(s) |

|                                  |   |
|----------------------------------|---|
| Recommended monitoring procedure | If the product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidelines for methods for the determination of hazardous substances. |
|----------------------------------|---|

### Exposure Controls

|                                |   |
|--------------------------------|---|
| Occupational Exposure Controls | Under normal operating conditions no exposure controls are expected to be required. No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust systems or other engineering controls to keep worker exposure below any recommended or statutory requirements. |
| Hygiene Measures               | Wash hands forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothes before reusing. Ensure that the eyewash stations and showers are close to the workstation locations.  |
| Respiratory Protection         | Use a proper fitted air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates it is necessary. Respirator selection must be based on known or expected exposure levels, the hazard of the product and the safe working limits of the selected respirator. Recommended: Organic vapour filter.  |
| Hand Protection                | Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates that this is necessary. Recommended: neoprene, nitrile, PVA, Viton.  |
| Eye Protection                 | Safety eyewear complying with an approved standard should be used when a risk assessment indicates that this is necessary to avoid exposure to liquid splashes, mists and dusts.  |
| Skin Protection                | Personal protective equipment for the body should be selected based on the  |

## Environmental Exposure Controls

task being performed and the risks involved and should be approved by a specialist before handling this product.

Emissions from ventilations or work process equipment should be checked to ensure that they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and Chemical Properties

### General Information

|            |                        |
|------------|------------------------|
| Appearance | Semi-solid - grease    |
| Colour     | Brown                  |
| Odour      | Mild Hydrocarbon Odour |

### Important health, safety and environmental information

|  |                                 |
|--|---------------------------------|
| Flash Point                            | Open Cup : > 285 °C [Cleveland] |
| Ignition Temperature                   | Fire Point > 340 °C             |
| Lower Explosion Limit                  | No information available        |
| Upper Explosion Limit                  | No information available        |
| Flammability (gas/solid)               | No information available        |
| Density                                | 0,954 – 0.991 gr/ml @ 20°C      |
| Viscosity at 40 °C, cSt                | N/A                             |
| pH                                     | No information available        |
| Relative Vapour Density                | No information available        |
| Vapour Pressure (kPa)                  | < 1                             |
| Evaporation Rate                       | No information available        |
| Water Solubility at 20 °C              | Non soluble                     |
| Partition coefficient: n-octanol/water | No information available        |
| Solubility in other solvents           | No information available        |
| Pour point °C                          | > - 20                          |
| DMSO Extract, IP 346%                  | < 3                             |

**The above information do not constitute a specification.**

## 10. Stability and Reactivity

|                                  |  |
|----------------------------------|--|
| Chemical stability               | The product is stable  |
| Conditions to avoid              | Reacts with strong oxidising agents and acids                                    |
| Materials to avoid               | Avoid contact with oxidising agents, reducing agents and acids.                  |
| Hazardous decomposition products | May release COx, NOx, smoke and irritating vapours when heated to decomposition. |

## 11. Toxicological Information

### Potential acute health effects

|              |   |
|--------------|---|
| Inhalation   | No known significant effects or critical hazards. |
| Ingestion    | No known significant effects or critical hazards. |
| Skin contact | No known significant effects or critical hazards. |

Eye contact No known significant effects or critical hazards.

### **Acute toxicity**

| <b>Mixture/ingredient Name</b>                            | <b>Result</b>                     | <b>Species</b>  | <b>Dose</b>                  | <b>Exposure</b> |
|---|-----------------------------------|-----------------|------------------------------|-----------------|
| Distillates (petroleum),<br>hydrotreated heavy paraffinic | LD50 Dermal                       | Rabbit          | > 5000 mg/kg                 | -               |
|   | LD50 Oral                         | Rat             | > 5000 mg/kg                 | -               |
|   | LD50 Inhalation Dust<br>and mists | Rat             | > 5000 mg/kg                 | 4 hours         |
| Calcium Carbonate   | LD50 Oral OECD 420<br>Skin        | Rat<br>estimate | > 2000 mg/kg<br>> 2000 mg/kg |                 |

Conclusion / summary Not available.

### **Potential chronic health effects**

#### **Chronic Toxicity**

Conclusion / summary Not available.

#### **Irritation/Corrosion**

Conclusion / summary Not available.

#### **Sensitiser**

Conclusion / summary Calcium Carbonate OECD 439  
Non Sensitizing

#### **Carcinogenicity**

Conclusion / summary Not available.

#### **Mutagenicity**

Conclusion / summary Not available.

#### **Teratogenicity**

Conclusion / summary Not available.

#### **Reproductive Toxicity**

Conclusion / summary Not available.

### **Chronic effects**

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** Not listed as carcinogenic by OSHA, NTP or IARC.

**Teratogenicity** No known significant effects or critical hazards.

**Development effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

### **Over-exposure**

#### **signs/symptoms**

**Inhalation** No specific data.

**Ingestion** No specific data.

**Skin** No specific data.

**Eyes** No specific data.

## **12. Ecological Information**

Environmental Effects Not known significant effects or critical hazards.

**Aquatic Toxicity** Not available.

Conclusion/summary

**Biodegradability** Not available.

Conclusion/summary

Other Adverse effects Not known significant effects or critical hazards.

## **13. Disposal Considerations**

Methods of Disposal The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product reuses. This material and its containers must be disposed of in a safe way. Dispose of surplus and non

Hazardous waste

recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

With the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## 14. Transport Information

### International transport requirements

| Regulatory Information | UN number      | Proper shipping name | Classes        | PG* | Label | Additional Information |
|------------------------|----------------|----------------------|----------------|-----|-------|------------------------|
| <b>ADR/RID Class</b>   | Not Available. | Not Available.       | Not Available. | -   |       | -                      |
| <b>ADN/ADNR Class</b>  | Not Available. | Not Available.       | Not Available. | -   |       | -                      |
| <b>IM DG Class</b>     | Not Available. |                      | -              | -   |       | -                      |
| <b>IATA Class</b>      | Not Available. |                      | -              | -   |       | -                      |

\*Packaging group

## 15. Regulatory Information

EU regulations

**Classification and labelling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.**

Risk Phrases

The product is classified according to GHS and EU legislation.

### Other EU Regulations

Additional warning Phrases

Safety data sheet available for professional users on request

### International Regulations

Canada Inventory

All components are listed or excepted.

US Inventory (TSCA 8b)

All components are listed or excepted.

Europe Inventory

All components are listed or excepted.

## 16. Other Information

Classification full text

Skin Corr./Irrit 2 - Corrosion/irritation of skin

As referred to in sections 2 and 3 - Europe

Eye Dam./Irrit. 1 - Causes serious eye irritation

H315 - Causes skin irritation

H318 - Causes serious eye damage

Key data sources

Available upon request

### History

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Prepared by

**Product Safety - AAD**

► **Indicates Information that has changed from the previously issued version.**

### Notice to reader

The information herein are accurate to the best of our knowledge. However, neither the above mentioned supplier or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. Any material may present unknown hazards and should be used with caution. Although certain hazards are described here it cannot be guaranteed that these are the only hazards that exist.