

MATERIAL SAFETY DATA SHEET

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

GREASE CSH S 2

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

Product Identifier

Product Name GREASE CSH S 2
Product Code ELD10254S
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
 Fax : + 30 2102594460
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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 GHS 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
Calcium Sulfonate Complex Thickener	< 25	CBI	Not Classified
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	>= 0.1 - < 1	CASRN 80939-62-4 EC Number 279-632-6	Skin Corr./Irrit. 2 H315 Eye Dam./Irrit. 2: H319 Aquatic Chronic 2: H411
Alkylphenol	< 0.25	CASRN 128-39-3 EC Number 204-884-0	Skin Corr./Irrit. 2 H315 Aquatic Acute 1: H400 Aquatic Chronic 1: H410
See section 16 for full text of the above classification statements			

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 ₂), nitrogen oxides (NO _x), 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.
Packaging material Recommended	Use original container.

8. Exposure Controls / Personal Protection

Exposure Limit Values

Ingredient Name	Occupational Exposure Limits
Alkylphenol	ACGIH TVL (United States). Notes: (Oil Mist) TWA: 10 mg/m ³ 8 hour(s) STEL: 20 mg/m ³ 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.
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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.
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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.
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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.
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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.
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Eye Protection	Recommended: neoprene, nitrile, PVA, Viton. 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.
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Skin Protection	Personal protective equipment for the body should be selected based on the
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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.
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9. Physical and Chemical Properties

General Information

Appearance	Semi-solid - grease
Colour	Tan
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	1.080 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

Mixture/ingredient Name	Result	Species	Dose	Exposure
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	LD50 Dermal	Rat	97.15 mg/kg	-
	LD50 Oral	Rat	> 5000 mg/kg	-
	LD50 Inhalation Dust and mists	Rat	> 5000 mg/kg	4 hours
Calcium Carbonate	LD50 Oral OECD 420 Skin	Rat estimate	> 2000 mg/kg > 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
ADR/RID Class	Not Available.	Not Available.	Not Available.	-		-
ADN/ADNR Class	Not Available.	Not Available.	Not Available.	-		-
IM DG Class	Not Available.		-	-		-
IATA Class	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

H-Statements full text

As referred to in sections 2 and 3 - Europe

Aquatic Chronic - Harmful to the aquatic environment - Chronic

Aquatic Acute - Harmful to the aquatic environment - Acute

Skin Corr./Irrit - Corrosion/irritation of skin

Eye Dam./Irrit. - Causes serious eye irritation

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H311 - Toxic in contact with skin

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H331 - Toxic if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

H412 - May cause long-term adverse effects in the aquatic environment

P273 - Avoid release to the environment

P308+P313 - If exposed or concerned: Get medical advice/ attention.

Key data sources

Available upon request

History

Date of printing

18/04/2022

Date of issue/Date of Revision

18 April 2022

Date of Previous issue

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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.