



MATERIAL SAFETY DATA SHEET

In accordance with guidance (EC) No. 1907/2006 (REACH) Annex II EUROPE & GHS Requirements

GREASE LETONIA LR EP

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

Product Identifier

Product Name ELDON'S GREASE LR EP 000, 00, 0, 1, 2, 3
Product Code 412, 413, 409, 408, 407, 410
Substance/mixture use Lithium Greases

Company Details

Producer ELDON'S SA
20 Souliou Street
143 43 N. Halkidon
Athens - Greece
Supplier ELDON'S SA
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Athens - Greece
Tel.: + 30 210 2594400
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Emergency Telephone number Office hours: +30 210 2594480
Out of hours: +30 210 – 77 93 777 [Poisoning centre]

2. Hazards Identification

The product is not classified according to GHS and EU Regulation 1278/2008 and its updates.

Classification Not Classified
Labelling Not Required
Other Hazards Not Required

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

3. Composition / Information on Ingredients

Substance/mixture

Ingredient Name	%	EC Nr / CAS Nr	Classification
Mixture of severely hydro treated and hydro cracked base oil (petroleum)	70 - 76	EC Nr 265-157-1 CASRN 64742-54-	Not Classified
Lithium Thickener	< 15	CASRN 7620-77-1	Not Classified
Additives	< 5.0		Not Classified
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 spatula. 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 shovel 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.
<u>Packaging material</u>	
Recommended	Use original container.

8. Exposure Controls / Personal Protection

Exposure Limit Values

Ingredient Name

Mixture of severely hydro treated and hydro cracked base oil (petroleum)

Occupational Exposure Limits

ACGIH TVL (United States). Notes: (Oil Mist)

TWA: 5 mg/m³ 8 hour(s)

STEL: 10 mg/m³ 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.

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

Environmental Controls

Exposure

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 Fluid
Colour	Light Brown
Odour	Mild hydrocarbon

Important health, safety and environmental information

Flash Point	Open Cup : 235 °C [Cleveland]
Autoignition Temperature	Fire point 285 °C
Density	0,880 – 0,910 kg/L @ 20°C

Dropping Point	195 °C
Worked Penetration at 25 °C, 1/10 mm	220 - 485

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 CO _x , NO _x , 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
Mixture of severely hydro treated and hydro cracked base oil (petroleum)	LD50 Dermal	Rabbit	> 2000 mg/kg	-
	LD50 Oral	Rat	> 5000 mg/kg	-
	LD50 Inhalation	Rat	> 2500 mg/kg	4 hours
	Dust and mists			
Conclusion / summary	Not available.			

Potential chronic health effects

Chronic Toxicity

Conclusion / summary Not available.

Irritation/Corrosion

Conclusion / summary Not available.

Sensitiser

Conclusion / summary Not available.

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

Mutagenicity

No known significant effects or critical hazards.

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 Conclusion/summary	Not available.
Biodegradability Conclusion/summary	Not available.
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 residues. This material and its containers must be disposed of in a safe way. Dispose of surplus and non 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.
Hazardous waste	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 not classified according to 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

Aquatic Chronic 3

As referred to in sections 2 and 3 – Europe

H412 Harmful to aquatic life with long lasting effects

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.