



Safety Data Sheet

Complying with Regulation 1907/2006/EC (REACH Regulation),
EU2015/830 and Regulation No 1272/2008/EC (CLP)

Version number 1

Revision: 14.06.2016

SECTION 1: Identification of the substance/ mixture and of the company/ undertaking

1.1 Product identifier

Trade name: **CYCLON GREASE Li NLGI 3**

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

Use of the substance / mixture Lithium based grease for general use
For specific application advice see appropriate Technical Data Sheet or contact
company representative.

Application of the substance / the mixture: Lubricant

1.3 Details of the supplier of the safety data sheet

LPC S.A.

Megaridos Avenue 124

Aspropyrgos - Attica , 193 00

Tel.: 210 - 809 3900

Fax: 210 - 809 3999

e-mail: technical@cyclon.gr

1.4 Emergency telephone number:



0030 210 7793777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:

The product is not classified as hazardous.

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as hazardous.

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards and section 16 for the full text of the R phrases H.

2.2 Label elements

Risk phrases

The product is not classified according to EU legislation.

Safety phrases

Not applicable

Special packaging requirements

Containers should be labeled with

Safety caps for children

Not applicable

Risk warning for touch

Not applicable

2.3 Other hazards

Other hazards which do not result in the classification

Under conditions of high pressure and hypodermic introduction of the product, it is possible to create extremely urgent situation medical side. Lesions initially may seem frivolous but over a few hours will be displayed swelling, skin discoloration, especially acute pain. Also extensive subcutaneous necrosis. See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.



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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture

Highly refining base oil EC 256-161-3 (IP 346 DMSO extract < 3%). Lithium soap

Chemically modified base oil (IP 346 DMSO extract <3%).

Classification designation

Product / ingredient	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy naphthenic	EC 265-150-3	18-25	Asp. Tox. 1, H304
Lithium soap	Not applicable	9-11	Not classified

SECTION 4: First aid measures

4.1 Description of first aid measures

Contact with eyes : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for contact lenses and remove them. Seek medical attention if irritation occurs.

Skin contact: Wash contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation develops, seek medical attention.

Inhalation : If inhaled, remove to fresh air. If symptoms occur, seek medical attention immediately

Ingestion : Do not induce vomiting unless given instructions by medical personnel. If symptoms occur, seek medical attention

Protection of persons who provide first aid : You should not place any action that embraces (the element) personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

For detailed information on health effects and symptoms, see section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician No Specialty antidotes or other therapeutic measures. The treatment generally should be determined by the symptoms and directed to relieving any effects.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: In case of fire use fire extinguisher or spray foam, dry chemical or carbon dioxide

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: In a fire or if heated, there will be increasing pressure and the container may burst.

Hazardous Combustion Products : Combustion products may include the following: carbon oxides (CO, CO₂), sulfur oxides (SO₂)

5.3 Advice for firefighters

Special precautions for firefighters: You should not place any action that involves (item of) personal risk or without suitable training. If there is a fire Promptly isolate the scene by removing all persons from the vicinity of the incident.

Special protective equipment for firefighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus, positive pressure (SCBA) with a full face mask. Clothing for fire fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel : *You should not place any action that involves (item of) personal risk or without suitable training.* Evacuate surrounding areas. Do not allow personnel to unnecessary and unprotected. Do not touch or walk through spilled material. Can be slippery floors. Take care to avoid falling. Wear appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."

6.2 Environmental precautions : Avoid dispersal of spilled 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).

6.3 Methods and materials for containment and cleaning

Small Spill : Stop leak if without risk. Move containers from spill area. Absorb with inert material and place in an appropriate waste disposal container. Dispose of the material using the spilled product has such permission.

Large spills : Immediately contact emergency personnel. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, gutters, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material eg sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of the material using the spilled product has such permission.

6.4 Reference to other sections : See Section 1 for emergency contact information. For firefighting measures, see 5.

See Section 8 for information on appropriate personal protective equipment.

See Section 12 for environmental precautions.

See Section 13 for additional information on handling waste.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures : Wear appropriate personal protective equipment

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas of handling, storage and processing of this material. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities : Use and store this product only in equipment / containers designed for this use. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Resealed and very carefully Containers that have been opened and kept upright to prevent leakage. Do not store in unlabelled containers. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see section 10).

Not suitable : Prolonged exposure to elevated temperatures

7.3 Specific end use : Recommendations See section 1.2 and Exposure scenarios in annex, if applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits in the workplace There is no known threshold level of exposure

Product / ingredient Base oil-unspecified

ACGIH TLVs Base oil-unspecified

For information and guidance, including the values of the American Association of Industrial hygienists (ACGIH). For more information on these please consult your supplier. If it can be shown in this chapter specific OELs (Occupational Exposure Limits) for some components, there may be other ingredients in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, it may be necessary to monitor individuals, monitoring the atmosphere in workplace or biological monitoring 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 guidance documents for methods for the determination of hazardous substances.



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Derived No Effect Level (DNEL) Not available DEL.

Predicted No Effect Concentration Unavailable predicted no effect concentration (PNEC).

8.2 Exposure controls

Appropriate engineering controls :

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered if they have been suitably evaluated other forms of control measures (eg engineering controls). Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. You should consult your supplier of personal protective equipment on the selection and appropriate standards. For more information contact your national organization for standards of your country. The final choice of protective equipment will depend upon a risk assessment. We must assure that all components of personal protective equipment are compatible.

Individual protection measures / 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. Ensure close in work stations are for eyewash and safety shower.

Respiratory Protection :

Normally not required respiratory protective equipment where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. For this reason Respiratory protection equipment should be chosen

Eye / face protection :

Safety glasses with side shields.

Skin Protection :

Use of protective clothing is good industrial practice. 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. The Cotton or polyester / cotton overalls will only provide protection against light superficial contamination that will not reach the skin after soaking clothes. Overalls should be laundered frequently. When the risk of skin exposure is high (eg when cleaning up spillages or if there is risk of splashing) then aprons resistant to chemicals and / or impervious chemical suits and boots.

Hand protection :

Wear protective gloves if there is a possibility of prolonged or repeated contact. Wear gloves resistant to chemicals. Recommended: nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier / manufacturer and with a full assessment of the working conditions

Environmental exposure controls :

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental legislation. In some cases, it may be necessary mechanisms purge air from the flue gases, filters or engineering modifications to the process equipment to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

Viscous paste

Colour:

Light Brown

Odour:

Oil



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Odour threshold:	Not available
pH value:	Not available
Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available
Pourpoint, °C	Not available
Flashpoint: °C	>170
Flammability (solid, gaseous):	Not applicable
Auto-ignition temperature:	Not available
Decomposition temperature	Not available
Self-igniting:	Product is not selfigniting
Danger of explosion:	Product does not present an explosion hazard.
Explosion imits:	
Lower:	Not available
Upper:	Not available
Vapour pressure:	Not available
Density@ 15°C:	0,900 g/cm3
Relative density	Not available
Evaporation rate	Not available
Vapour density	Not available
Solubility in / Miscibility with water:	Insoluble in water
Partitioncoefficient (n-octanol/water):	Not available
Viscosity :	
Dynamic	Not available
Kinematic @ 100 °C:	Not available
Kinematic @40 °C:	Not available
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity :No specific test data available for this product. For more information, see "Conditions to Avoid" and "Incompatible Materials."

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous polymerisation will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, should not produce hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on the likely routes of exposure Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects

Inhalation Vapour inhalation under ambient conditions is not normally a problem due to low vapor pressure.

Ingestion No known significant effects or critical hazards.

Skin contact No known significant effects or critical hazards.



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Contact with eyes No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation No specific data.

Ingestion No specific data

Contact with skin No specific data

Eye contact No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation Excessive exposure to inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion Ingestion of large amounts may cause nausea and diarrhea.

Contact with skin Prolonged or repeated contact can defat the skin and lead to irritation and / or dermatitis.

Contact with eyes In case of accidental contact with eyes may cause transient stinging or redness.

Potential chronic health effects

Generally No known significant effects or critical hazards

Carcinogenicity No known significant effects or critical hazards.

Mutagenicity No known significant effects or critical hazards.

Effect on development No known significant effects or critical hazards.

Effects on fertility No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Environmental hazards Not classified as dangerous

12.2 Persistence and degradability

Not readily biodegradable

12.3 Bioaccumulation

This product is not expected to bioaccumulate through food chains in the environment.

12.4 Mobility in soil

coefficient Soil / Water (KOC) Not available.

Mobility

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of ABT and $\alpha\beta\alpha$

Not applicable.

12.6 Other adverse effects

Other information about the environment

Spills may form a film on water surfaces causing physical damage to organisms could prevent oxygen transport.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product / Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable center. Waste oil should not be mixed with water, solvents, antifreeze, brake fluid, etc., in order to be suitable for recycling. Dispose of surplus and non-recyclable products should be disposed of using the spilled product has such permission. Disposal of this product, solutions and any by-products should at all times comply with the requirements of legislation on environmental protection and waste disposal legislation and the requirements of the local authority.

Hazardous waste

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

European Waste Catalogue (EWC)



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Waste code
13 08 99 *

Waste
WASTES NOT OTHERWISE SPECIFIED

However, deviation from the intended use and / or presence of any potential contaminants may require the end user designate an alternative waste disposal code.

Package

Methods of disposal The disposal of large quantities should be carried out by authorized qualified personnel. Recycle, if possible.

Special precautions This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Empty containers represent a fire hazard as they may contain flammable product residues and vapor. Never weld, solder or braze empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA	Void Void
14.4 Packing group ADR, IMDG, IATA	Void Void
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation":	-----

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorization

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other regulations

Not applicable.

REACH Status

The company, as identified in Section 1, sells this product in EU accordance with the current requirements of REACH

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required security.

SECTION 16: Other information

Full text of abbreviated H statements

H304 May be fatal if swallowed and enters airways

Full text of classifications [CLP / GHS]

Asp.Tox.1, H304 Aspiration hazard - Category 1

Full text of abbreviated R phrases



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R22- Harmful if swallowed

Full text of classifications [DSD / DPD]

Not applicable

History

Date of issue / Date of revision

14/06/2014

Date of previous issue

No previous data validation