

Material Safety Data Sheet

According to 1907/2006/EC, Article 31



Printing Date: 09 June 2020

Revision: 19 January 2017

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1 Identification of the substance/preparation and of the company/undertaking

Trade name: **linecube HD Adhesive Grease**

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

- Use of the substance/mixture: Lubricating grease
- No specific uses advised against are identified

Supplier:

Online Lubricants Ltd.
Unit 20, The IO Centre, Barking, London IG11 0DR
UK Tel. +44 (0) 208 507 0123

In case of emergency: **+44 (0) 208 507 0123**

2 Hazards identification

2.1. Classification of the substance or mixture Classification

- Physical hazards Not Classified
- Health hazards Not Classified
- Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

- Hazard statements H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements P273 Avoid release to the environment.
- P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

- This product does not contain any substances classified as PBT or vPvB

3 Composition / Information on ingredients

3.2 Mixtures

Zinc Oxide 1-5%
CAS number: 1314-13-2
EC number: 215-222-5
REACH registration number: 01-2119463881-32-0000
M factor (Acute) = 1
M factor (Chronic) = 1
Classification: Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr)esters, zinc salts 1-5%
CAS number: 85940-28-9
EC number: 288-917-4
REACH registration number: 01-2119521201-61-0000
Classification Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

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Aquatic Chronic 2 - H411

Naphthenic acids, zinc salts, basic 1-5%

CAS number: —

Classification: Aquatic Chronic 3 - H412

Hydrocarbon C10 Aromatics> 1% Naphthalene

<1%

CAS number: —

Classification: Acute Tox. 4 - H332

Carc. 2 - H351

STOT SE 3 - H336

Aquatic Chronic 2 - H411

potassium hydroxide

<1%

CAS number: 1310-58-3

EC number: 215-181-3

Classification

Skin Corr. 1A - H314

Eye Dam. 1 - H318

Acute Tox. 4 - H302

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4 First-aid measures

4.1. Description of first aid measures

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
Skin contact	Rinse with water.
Eye contact	Rinse with water. Get medical attention if any discomfort continues.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically.

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5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

- The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

- Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards

- None known.

Hazardous combustion products

- Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3 Advice for firefighters

Protective actions during firefighting:

- Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities

Special protective equipment for firefighters:

- Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

6.2. Environmental precautions

- Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

- Wear protective clothing as described in Section 8 of this safety data sheet.
- Clear up spills immediately and dispose of waste safely.

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- Collect spillage with a shovel and broom, or similar and reuse, if possible.
- Collect and place in suitable waste disposal containers and seal securely.
- Flush contaminated area with plenty of water.
- Wash thoroughly after dealing with a spillage.
- Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

6.4. Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7 Handling and Storage

7.1. Precautions for safe handling

Usage precautions:

- Read and follow manufacturer's recommendations:
- Wear protective clothing as described in Section 8 of this safety data sheet.
- Keep away from food, drink and animal feeding stuffs.
- Keep container tightly sealed when not in use.
- Avoid discharge to the aquatic environment.

Advice on general occupational hygiene:

- Wash promptly if skin becomes contaminated.
- Take off contaminated clothing.
- Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage precautions: Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
- Storage class: Miscellaneous hazardous material storage.

7.3. Specific end use(s)

- Specific end use(s): The identified uses for this product are detailed in Section 1.2

8 Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

potassium hydroxide:

Short-term exposure limit (15-minute):

WEL 2 mg/m³ WEL = Workplace Exposure Limit

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8.2. Exposure controls

Protective equipment



Appropriate engineering controls:

- Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

- Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection:

- No specific hand protection recommended. Avoid contact with skin.

Other skin and body protection

- Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

- Wash hands thoroughly after handling.
- Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection:

- Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.
- Check that the respirator fits tightly, and the filter is changed regularly.
- Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls

- Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure 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

9.1. Information on basic physical and chemical properties

- Appearance Grease.
- Colour Green.
- Odour Almost odourless.
- Melting point >185°C
- Flash point > 200°C

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10 Stability and Reactivity

10.1. Reactivity

- Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

- Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

- No potentially hazardous reactions known.

10.4. Conditions to avoid

- There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

- Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

- Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

11 Toxicological Information

11.1. Information on toxicological effects:

Acute toxicity – oral: Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity – dermal: Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity – inhalation: Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data: Based on available data the classification criteria are not met.

Serious eye damage/irritation: Based on available data the classification criteria are not met.

Respiratory sensitisation: Based on available data the classification criteria are not met.

Skin sensitisation: Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity

- in vitro: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

IARC carcinogenicity:

- Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

Reproductive toxicity

- fertility: Based on available data the classification criteria are not met.

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Reproductive toxicity

- development: Based on available data the classification criteria are not met.

Specific target organ toxicity

- single exposure: STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity

- repeated exposure: STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard: Not relevant. Solid.

General information:

- The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: No specific symptoms known.

Ingestion: No specific symptoms known.

Skin contact: Prolonged contact may cause dryness of the skin.

Eye contact: No specific symptoms known.

Route of entry: Ingestion Inhalation Skin and/or eye contact

Target organs: No specific target organs known.

12 Ecological Information

12.1. Toxicity: Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability: The degradability of the product is not known.

12.3. Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment:

12.6. Other adverse effects: None known.

13 Disposal Considerations

13.1. Waste treatment methods

General information

- The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

- Dispose of waste via a licensed waste disposal contractor.

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14 Transport Information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): No transport warning sign required.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not an environmentally hazardous substance/marine pollutant.

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.

15 Regulatory Information

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

National regulations

- Health and Safety at Work etc. Act 1974 (as amended).
- The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
- The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
- EH40/2005 Workplace exposure limits.

EU legislation

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Commission Regulation (EU) No 453/2010 of 20 May 2010.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
- Dangerous Preparations Directive 1999/45/EC.
- Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

- No chemical safety assessment has been carried out.

16 Other Information

Classification procedures:

Aquatic Chronic 3 - H412: Calculation method according to Regulation (EC) 1272/2008

Training advice Only trained personnel should use this material.

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Hazard statements in full

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

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- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- 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 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.