

White Lithium Grease - Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name: White Lithium Grease
Product Code: 237001
UFI: RKC5-4PQF-200T-FNTP

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

Identified uses Grease

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------|---|--|
| Supplier: | T.I Midwood & Co. Ltd TIMCO House Green Lane Wardle Nantwich CW5 6BJ | T.I Midwood & Co. Ltd Aviemore House Hill Street Monahan Ireland |
|-----------|---|--|

Emergency Help Line: 01865 407333 (24 hour service)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-------------------------------|--------------------------|
| Physical and Chemical Hazards | Flam. Aerosol 1 - H222 |
| Human health | EUH066 |
| Environment | Aquatic Chronic 3 - H412 |

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

| | |
|------|--|
| H222 | Extremely flammable aerosol. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary Statements

| | |
|------|---|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Pressurized container: Do not pierce or burn, even after use. |
| P501 | Dispose of contents/container in accordance with local regulations. |

Supplementary Precautionary Statements

| | |
|----------|---|
| P273 | Avoid release to the environment. |
| P410+412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. |

Supplemental label information

| | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH208 | Contains d-LIMONENE. May produce an allergic reaction. |

2.3. Other hazards

White Lithium Grease - Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

| | |
|---|---|
| BUTANE | 10-30% |
| CAS-No.: 106-97-8 | EC No.: 203-448-7 |
| Classification (EC 1272/2008) Flam. Gas 1 - H220 | Classification (67/548/EEC) F+;R12 |
| d-LIMONENE | < 1% |
| CAS-No.: 5989-27-5 | EC No.: 227-813-5 |
| Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | Classification (67/548/EEC) R10 R43 Xi;R38 N;R50/53 |
| ISOBUTANE | 5-10% |
| CAS-No.: 75-28-5 | EC No.: 200-857-2 |
| Classification (EC 1272/2008) Flam. Gas 1 - H220 | Classification (67/548/EEC) F+;R12 |
| KELTRUL D80 | 30-60% |
| CAS-No.: | EC No.: 926-141-6 |
| Classification (EC 1272/2008) EUH066 Asp. Tox. 1 - H304 | Classification (67/548/EEC) Xn;R65. R66. |
| ZINC OXIDE | 1-5% |
| CAS-No.: 1314-13-2 | EC No.: 215-222-5 |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) N;R50/53. |

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

White Lithium Grease - Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information

NOTE! Effects may be delayed. Keep affected person under observation.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3. Specific end use(s)

White Lithium Grease - Safety Data Sheet

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|-------------|-----|-------------|------------------------|---------------|------------------------|-------|
| BUTANE | WEL | 600 ppm | 1450 mg/m ³ | 750 ppm | 1810 mg/m ³ | |
| KELTRUL D80 | WEL | | 1200 mg/m ³ | | | |

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.

Hand protection

Use protective gloves.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------|-----------------|
| Appearance | Aerosol. |
| Colour | Typical |
| Odour | Characteristic. |
| Flammability Limit - Lower(%) | 0.8 |
| Flammability Limit - Upper(%) | 9.0 |

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not known.

White Lithium Grease - Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Skin contact

Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Eye contact

Irritating to eyes. May cause chemical eye burns.

Route of entry

Inhalation. Skin and/or eye contact.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

Data set not currently available.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

White Lithium Grease - Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

| | |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1950 |
| UN No. (IMDG) | 1950 |
| UN No. (ICAO) | 1950 |

14.2. UN proper shipping name

| | |
|----------------------|----------|
| Proper Shipping Name | AEROSOLS |
|----------------------|----------|

14.3. Transport hazard class(es)

| | |
|---------------------|----------------|
| ADR/RID/ADN Class | 2 |
| ADR/RID/ADN Class | Class 2: Gases |
| ADR Label No. | 2.1 |
| IMDG Class | 2.1 |
| ICAO Class/Division | 2.1 |
| Transport Labels | |



14.4. Packing group

| | |
|---------------------------|----------------|
| ADR/RID/ADN Packing group | Not Applicable |
| IMDG Packing group | Not Applicable |
| ICAO Packing group | Not Applicable |

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

| | |
|-----|----------|
| EMS | F-D, S-U |
|-----|----------|

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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EMS

F-D, S-U

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

The Control of Substances Hazardous to Health Regulations 2002.

Statutory Instruments

Control of Substances Hazardous to Health.

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Risk Phrases In Full

| | |
|--------|--|
| R12 | Extremely flammable. |
| R10 | Flammable. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R38 | Irritating to skin. |
| R43 | May cause sensitisation by skin contact. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Hazard Statements In Full

| | |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |