

Material Safety Data Sheet


1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

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| Material Name | Lubrication Carpl |
| Uses | Cleaning Anti-Rust Penetrating Lubricant |
| Product Code | LUBE-CARPL –L |
| Manufacturer/Supplier | Lubrication Limited Lubricant Distribution Centre Unit 3, Snibston Drive Coalville Leicestershire LE67 3NQ United Kingdom |
| Telephone | +44 (0) 1530 833899 |
| Fax | +44 (0) 1530 813460 |
| Emergency Telephone | +44 (0) 1530 833899 |
| Email | technical@lubrication.net |

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | % | EC Number | Classification (according to REACH) |
|--|------------|--------|-----------|-------------------------------------|
| HYDROCARBONS, C9 – C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 64742-48-9 | 60-100 | 919-857-5 | Xn;R65 R10;R66;R67 |
| Mineral Oil | 64742-65-0 | 10-20 | 265-169-7 | Not Classified |

3. HAZARDS IDENTIFICATION

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| Label In Accordance With (EC) No. | 1272/2008 |
| |  |
| Signal Word | Danger |
| Hazard Statements | H226 – Flammable liquid and vapour H304 – May be fatal if swallowed and enters airways H336 – May cause drowsiness or dizziness |
| Supplementary Precautionary Statements | P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking P243 – Take precautionary measures against static discharge P261 – Avoid breathing vapour/spray P280 – Wear protective gloves/protective clothing/eye protection/face protection P370+P378 – In case of fire: Use foam, carbon dioxide, dry powder, or water fog to extinguish P403+P233 – Store in a well-ventilated place. Keep container tightly closed |
| Supplemental label information | EUH066 – Repeated exposure may cause skin dryness or cracking. |

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| Health Effects | May be fatal if swallowed and enters airways. |
| Environmental Impact | May cause long lasting harmful effects to aquatic life. |

4. FIRST AND MEASURES

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| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Skin Contact | Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| 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. |
| Ingestion | Get medical attention immediately. Call a poison centre or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Advice to Physician | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash |

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| | contaminated clothing thoroughly with water before removing it, or wear gloves. |
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5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

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| Suitable Extinguishing Media | Use dry chemical, CO ₂ , alcohol-resistant foam or water spray (fog). |
| Unsuitable Extinguishing Media | Do not use water jet. |
| Protective Equipment for Firefighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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. |
| Hazards from the Substance or Mixture | In a fire or if heated, a pressure increase will occur and the container may burst |
| Hazardous Thermal Decomposition Products | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulphur oxides |

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

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| Protective Measures – For Non-Emergency Personnel | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. |
| Protective Measures – For Emergency Responders | If specialised clothing is required to deal with the spillage, take note of any information in Chapter 8 on suitable and unsuitable materials. See also Chapter 8 for additional information on hygiene measures. |
| Clean Up Method – Small Spill | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Clean Up Method – Large Spill | Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth |

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| | and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. |
| Additional Advice | |

7. HANDLING AND STORAGE

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| General Precautions | Put on appropriate personal protective equipment (see Chapter 8). |
| Handling | Wash thoroughly after handling. |
| 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 Chapter 10) and food and drink. 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. |
| Product Transfer | |
| Recommended Materials | |
| Unsuitable Materials | |
| Additional Information | |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

If the American Conference of Governmental Industrial Hygienists (ACGIH) value is provided on this document, it is provided for information only.

| Product/Ingredient Name | Exposure Limit Values (Long Term) | | | |
|---|--|------------|-----|-----------|
| HYDROCARBONS, C9 – C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | Industry | Dermal | 210 | mg/kg/day |
| | Industry | Inhalation | 870 | mg/kg/day |
| | Consumer | Dermal | 125 | mg/kg/day |
| | Consumer | Inhalation | 185 | mg/kg/day |
| | Consumer | Oral | 125 | mg/kg/day |

Biological Exposure Index (BEI) – See reference for full details

No biological limit allocated.

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| Exposure Controls | 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 ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. |
| 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 |

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| | remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Respiratory Protection | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |
| 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 this is necessary. Wear suitable gloves tested to EN374. Recommended: Nitrile gloves. |
| Eye Protection | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields. |
| Body 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 Exposure Controls | 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

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| Appearance | Brown Liquid |
| Odour | Solvent |
| Initial Boiling Point and Boiling Range | 150-200°C |
| Pour Point | <-40°C |
| Flash Point | -7°C (Closed Cup) |
| Upper/Lower Flammability or Explosion Limits | Not available. |
| Auto-Ignition Temperature | > 220°C |
| Vapour Pressure | 0.4 kPa @ 20°C |
| Specific Gravity | 0.807 @ 15°C |
| Density | 807 kg / m ³ @ 15°C |
| Water Solubility | Not available. |
| N-Octanol/Water Partition Coefficient (log Pow) | Not available. |

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| Kinematic Viscosity | 1 mm ² / s (cSt) @ 40°C |
| Vapour Density (air = 1) | >1 |
| Evaporation Rate (EtEt = 1) | Not available. |

10. STABILITY AND REACTIVITY

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| Stability | The product is stable. |
| Conditions to Avoid | Avoid heat, flames and other sources of ignition. |
| Materials to Avoid | Strong acids. Strong oxidizing materials. |
| Hazardous Decomposition Products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Hydrocarbons. Aldehydes. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Product/Ingredient Name | Result | Species | Dose | Exposure |
|---|-------------|---------|---------------|----------|
| HYDROCARBONS, C9 – C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | LD50 Dermal | Rat | >5000 mg / kg | - |
| | LD50 Oral | Rabbit | >5000 mg / kg | - |

Potential Acute Health Effects

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| Eye Contact | Irritating and may cause redness and pain. |
| Inhalation | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Vapours may cause headache, fatigue, dizziness, and nausea. |
| Skin Contact | Prolonged contact may cause redness, irritation, and dry skin. |
| Ingestion | Gastrointestinal symptoms, including upset stomach. Nausea, vomiting. Diarrhoea. Risk of severe pulmonary problems in case of accidental aspiration. |

Potential Chronic Health Effects

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| Conclusion/Summary | Not available. |
| General | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. |
| Carcinogenicity | No known significant effects or critical hazards. |
| Mutagenicity | No known significant effects or critical hazards. |
| Teratogenicity | No known significant effects or critical hazards. |
| Developmental Effects | No known significant effects or critical hazards. |
| Fertility Effects | No known significant effects or critical hazards. |

12. ECOLOGICAL INFORMATION

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

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13. DISPOSAL CONSIDERATIONS

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| Material Disposal | The generation of waste should be avoided or minimized wherever possible. Waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |
| Container Disposal | The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |
| Local Legislation | |

14. TRANSPORT INFORMATION

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| UN Number Road | 1300 |
| UN No. (IMDG) | 1300 |
| UN No. (ICAO) | 1300 |
| Proper Shipping Name | TURPENTINE SUBSTITUTE |
| ADR/RID/AND Class | Class 3: Flammable liquids. |
| ADR Label No. | 3 |
| IMDG Class | 3 |
| ICAO Class/Division | 3 |

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| Transport Labels |  |
| ADR/RID/ADN Packing group | III |
| IMDG Packing group | III |
| ICAO Packing group | III |
| Environmentally Hazardous Substance/Marine Pollutant | No. |
| EMS | F-E, S-E |
| Emergency Action Code | 3Y |
| Hazard No. (ADR) | 30 |
| Tunnel Restriction Code | (D/E) |
| Special Provisions | |

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

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| EC Classification | Not determined. |
| EINECS | Not determined. |
| TSCA | Not determined. |

16. OTHER INFORMATION

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| SDS Version Number | 1.0.3 |
| SDS Effective Date | 2015-02-01 |
| SDS Revisions | 3 |
| SDS Distribution | Lubrication Limited |
| Disclaimer | To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. |