

Material Safety Data Sheet

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

Material Name	Lubrication Vigen CHL-B
	Metalworking Fluid
Product Code	LUBE-VIGGENCHLB-L
Manufacturer/Supplier	Lubrication Limited Lubricant Distribution Centre Unit 3, Snibston Drive Coalville Leicestershire LE67 3NQ United Kingdom
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	%	EC Number	Classification (according to REACH)
Mineral Oil	64742-65-0	<85		None.
Sulfurized Me ester, Vegetable Oil	68990-81-8	<5	273-626-7	Polymer
Sulfurized fatty acid		<15	64741-88-4	Polymer
Chlorinated Paraffin C18-C20	063449-39-8	<10	264-150-0	Paraffin Wax

3. HAZARDS IDENTIFICATION

Label In Accordance With (EC) No.	1272/2008
Signal Word	None
Hazard Statements	None
Supplementary Precautionary Statements	None
Supplemental label information	None
Health Effects	High-pressure injection under skin may cause serious damage. Over exposure may cause eye, skin, or respiratory irritation.
Environmental Impact	None

4. FIRST AND MEASURES

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
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Material Safety Data Sheet

	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 contaminated clothing thoroughly with water before removing it, or wear gloves.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

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.

Material Safety Data Sheet

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: Toxic fumes

6. ACCIDENTAL RELEASE MEASURES

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.

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

7. HANDLING AND STORAGE

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

Material Safety Data Sheet

	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.

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

No biological limit allocated.

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 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

Material Safety Data Sheet

	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

Appearance	Dark Amber Liquid
Odour	Oily Esters
Initial Boiling Point and Boiling Range	Not available.
Pour Point	-5°C
Flash Point	222°C (Closed Cup)
Upper/Lower Flammability or Explosion Limits	Not available.
Auto-Ignition Temperature	Not available.
Vapour Pressure	Not available.
Specific Gravity	0.892 @ 15°C
Density	892 kg / m ³ @ 15°C
Solubility in Other Solvents	Not applicable.
Water Solubility	Not applicable.
N-Octanol/Water Partition Coefficient (log Pow)	Not applicable.
Kinematic Viscosity	70 mm ² / s @ 40°C 8 mm ² / s @ 100°C
Vapour Density (air = 1)	Not available.
Evaporation Rate (EtEt = 1)	Not available.

10. STABILITY AND REACTIVITY

Stability	The product is stable.
Conditions to Avoid	Extreme temperature
Materials to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide, and hazard gases, including carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Potential Acute Health Effects

Eye Contact	Not irritating.
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.

Material Safety Data Sheet

Skin Contact	No sensitization observed with analogous product.
Ingestion	Large quantities may cause nausea and diarrhoea.

Potential Chronic Health Effects

Conclusion/Summary	Not available.
General	No known significant effects or critical hazards.
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

This product is not considered to be PBT (Persistent, Bioaccumulation, Toxic).

13. DISPOSAL CONSIDERATIONS

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	

Material Safety Data Sheet

14. TRANSPORT INFORMATION

UN Number Road	Not applicable.
UN No. (IMDG)	Not applicable.
UN No. (ICAO)	Not applicable.
Proper Shipping Name	Oils, animal, mixed with vegetable oil Me esters, sulfurized
ADR/RID/AND Class	Not applicable.
ADR Label No.	Not applicable.
IMDG Class	Not applicable.
ICAO Class/Division	Not applicable.
Transport Labels	Not applicable.
ADR/RID/ADN Packing group	Not applicable.
IMDG Packing group	Not applicable.
ICAO Packing group	Not applicable.
Environmentally Hazardous Substance/Marine Pollutant	Not applicable.
EMS	Not applicable.
Emergency Action Code	Not applicable.
Hazard No. (ADR)	Not applicable.
Tunnel Restriction Code	Not applicable.
Special Provisions	Not applicable.

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

SDS Version Number	1.0.3
SDS Effective Date	2015-02-01
SDS Revisions	3
SDS Distribution	Lubrication Limited
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