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

- **Product details**
  - **Trade name:** VISCOR 1487 CALBN FLUID
  - **Article number:** 400002352
  - **Application of the substance / the preparation** Lubricant

- **Manufacturer/Supplier:**
  FUCHS LUBRICANTS (UK) PLC.
  New Century Street
  Hanley
  Stoke-on-Trent, Staffordshire, ST1 5HU
  UK
  Emergency telephone: (UK) 08701 200400
  e-mail: product.safety@fuchs-oil.com

- **Further information obtainable from:** Product safety department.
- **Information in case of emergency:** Emergency telephone: (UK) 08701 200400

2 Hazards identification

- **Hazard description:**
  - Xn Harmful

- **Information concerning particular hazards for human and environment:**
  The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  R 65 Harmful: may cause lung damage if swallowed.

- **Classification system:**
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
  - **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**
  | CAS: 64742-47-8 | Distillates (petroleum), hydrotreated light | Xn; R 65-66 | 50-100% |
  | EINECS: 265-149-8 | | | |
  | | Highly refined mineral oil | | 25-50% |
  | CAS: 68783-96-0 | Calcium sulphonate | R 53 | 2.5-10% |
  | Polymer | | | |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
  - Immediately wash with water and soap and rinse thoroughly.
  - If skin irritation continues, consult a doctor.
- **After eye contact:**
  - Check for and remove any contact lenses.
  - Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
  - Wash mouth out with water

(Contd. on page 2)
Do not induce vomiting; call for medical help immediately.

- Information for doctor:
  High pressure injection injuries through the skin require prompt surgical intervention and possibly steroid therapy, to minimise tissue damage and loss of function. Because entry wounds are small and do not reflect the seriousness of the underlying damage, surgical exploration to determine the extent of involvement may be necessary. Local anaesthetics or hot soaks should be avoided because they can contribute to swelling, vasospasm and ischaemia. Prompt surgical decompression, debridement and evacuation of foreign material should be performed under general anaesthetics, and wide exploration is essential.
  Contains petroleum distillates.
  Refer to section 11.

5 Fire-fighting measures

- Suitable extinguishing agents:
  CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Protective equipment:
  Wear self-contained respiratory protective device.
  Wear fully protective suit.

6 Accidental release measures

- Person-related safety precautions:
  Particular danger of slipping on leaked/spilled product.
  Ensure adequate ventilation
- Measures for environmental protection:
  Do not allow to enter sewers/surface or ground water.
  Do not allow to penetrate the ground/soil.
- Measures for cleaning/collecting:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Send for recovery or disposal in suitable receptacles.

7 Handling and storage

- Handling:
  - Information for safe handling:
    Prevent formation of aerosols.
    Ensure good ventilation/exhaustion at the workplace.
  - Information about fire - and explosion protection: No special measures required.
  - Storage:
    - Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
    - Information about storage in one common storage facility: Store away from oxidizing agents.
    - Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- Ingredients with limit values that require monitoring at the workplace:
  Highly refined mineral oil
  OEL Short-term value: 10 mg/m³
  Long-term value: 5 mg/m³
  - Additional information: The lists valid during the making were used as basis.
Personal protective equipment:

- General protective and hygienic measures:
  Do not carry product impregnated cleaning cloths in trouser pockets.
  Avoid close or long term contact with the skin.
  Do not eat, drink, smoke or sniff while working.
  Keep away from foodstuffs, beverages and feed.
  Wash hands before breaks and at the end of work.
  Avoid contact with the eyes.
  Storing food in the working area is prohibited.
- Respiratory protection: Not required.
- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality
  and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the
  resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the
  application.
- Penetration time of glove material
  The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be
  observed.
- Eye protection:
  Safety glasses
  Goggles recommended during refilling
- Body protection: Oil resistant protective clothing

9 Physical and chemical properties

- General Information
  Form: Fluid
  Colour: Brown
  Odour: Mineral-oil-like

- Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: Undetermined.

- Flash point: 75°C
- Ignition temperature: >200°C
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:
  Lower: 0.5 Vol %
  Upper: 6.5 Vol %

- Vapour pressure at 20°C: 2.0 hPa
- Density at 20°C: 0.82 g/cm³
- Solubility in / Miscibility with water: Not miscible or difficult to mix.
- Viscosity:
  Kinematic at 40°C: 2.4 cSt
**10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
- Dangerous reactions: No dangerous reactions known.
- Dangerous decomposition products:
  - Carbon monoxide and carbon dioxide
  - Sulphur oxides (SOx)

**11 Toxicological information**

- Acute toxicity:
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  Small amounts of liquid aspirated into the respiratory system during ingestion of from vomiting may cause brochopneumonia or pulmonary oedema.
  The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  Harmful

**12 Ecological information**

- Information about elimination (persistence and degradability): Inherently biodegradable
- Behaviour in environmental systems:
- Mobility and bioaccumulation potential: Product is not expected to bioaccumulate.
- General notes:
  - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13 Disposal considerations**

- Product:
  - Recommendation
    Contact waste processors for recycling information.
    Must not be disposed together with household garbage. Do not allow product to reach sewage system.
    Delivery of waste oil to officially authorized collectors only.
    Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
  - European waste catalogue
    Waste key numbers in accordance with the European Waste catalogue (EWC) are origin-referred defined.
    Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangement with your waste disposal partner or the responsible authority.
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
Trade name: VISCOR 1487 CALBN FLUID

- Maritime transport IMDG:
  - IMDG Class: -
  - Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:
  - ICAO/IATA Class: -

- Transport/Additional information: Not dangerous according to the above specifications.

15 Regulatory information

- Labelling according to EU guidelines:
  Observe the general safety regulations when handling chemicals.
  The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- Code letter and hazard designation of product:
  Xn Harmful

- Hazard-determining components of labelling:
  Distillates (petroleum), hydrotreated light

- Risk phrases:
  65 Harmful: may cause lung damage if swallowed.

- Safety phrases:
  62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
  53 May cause long-term adverse effects in the aquatic environment.
  65 Harmful: may cause lung damage if swallowed.
  66 Repeated exposure may cause skin dryness or cracking.

- Department issuing MSDS: Product safety department.
- Contact: GORDON SHARP