

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

PRODUCT NAME: 1 & 5 LITRE HYDRAULIC OIL
PART NO: 3050830 & 3050835
COMPANY IDENTIFICATION: CLARKE INTERNATIONAL,
HEMNALL STREET, EPPING, ESSEX. CM16 4LG
BUSINESS TELEPHONE: 01992 565300
BUSINESS FAX: 01992 561562
EMERGENCY TELEPHONE: 020 89887400

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical characterisation

- **Description:** A blend of highly refined mineral oils with multifunctional additives
- **Dangerous components:** Highly refined mineral oil 50-100%
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3. HAZARDS IDENTIFICATION:

- **Hazard description:** Not applicable
- **Information concerning particular hazards for people and the environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification Guideline For Preparations Of The EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists and extended by company and literature data.

4. FIRST AID MEASURES:

- **General Information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Wash mouth out with water. Do not induce vomiting; call for medical help immediately.
- **Information for doctor:** Treat symptomatically

5. FIRE FIGHTING MEASURES:

- . **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **Protective equipment:** No special measures required.

6. ACCIDENTAL RELEASE MEASURES:

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles.
- **Additional information:** No dangerous substances are released.

7. HANDLING & STORAGE:

Handling

- **Information for safe handling:** Prevent formation of aerosols.
- **Information about fire and explosion protection:** No special measures required.

Storage

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** None.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

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

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- **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:

Wash hands before breaks and at the end of work.

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 whilst working.

- **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 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 through 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:** Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

- General Information:

Form: Liquid

Colour: Brown

Odour: Mineral-oil-like

- Change in condition

Melting point/Melting range: Undetermined

Boiling point/Boiling range: Undetermined

- **Flash point:** >100°C

- **Ignition temperature:** >250°C

- **Self-igniting:** Product is not self-igniting

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density at 20°C** 0.88 g/cm³

- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

- Viscosity:

Kinematic at 40°C: 31.8 cSt (DIN 53211/4)

- Solvent content:

Organic solvents: 0.0%

VOC (EC) 0.00%

10. STABILITY AND REACTIVITY:

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Dangerous reactions:** No dangerous reactions known.

- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION:

- **Acute toxicity:**

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- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **On the eye:** No irritating effect.
- **Sensitisation:** No sensitising effects known.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION:

- **General Notes:** Water hazard class I (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.

- **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:**

- **Maritime transport IMDG:**

- **IMDG Class: -**

- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:-**

15. REGULATORY INFORMATION:

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

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.

Last updated: 01.08.2005