

SAFETY DATA SHEET

Conforms to 93/112/EEC



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

PRODUCT NAME:

Tube Lubricant CR40

APPLICATION:

Supplied as a metal working lubricant/coolant for use in suitable industrial applications only. The product should be used as supplied.

NAME OF MANUFACTURER/SUPPLIER:

Houghton plc

ADDRESS:

Beacon Road
Ashburton Road West
Trafford Park
Manchester M17 1AF

TELEPHONE/FAX NUMBERS:

Business telephone no.: 0161-874 5000

Fax: 0161-877 9764

Health and Safety emergency telephone no.: 0161 877 6654 (out of hours only)

2. COMPOSITION/INFORMATION ON INGREDIENTS.

General:

Performance additives.

Chlorinated paraffin.

Hazardous:

Not applicable.

%

3. HAZARDS IDENTIFICATION.

This product is not classified as hazardous under current legislation.

Eye contact with the product may cause mild irritation

4. FIRST AID MEASURES.

- Eyes:** Hold eyes open for at least 15 minutes under running water. If irritation persists, obtain medical attention.
- Skin:** Wash with soap and water. Remove contaminated clothing and wash before re-use
- Inhalation:** In extreme cases, remove from exposure. If patient is feeling ill, seek medical attention.
- Ingestion:** DO NOT INDUCE VOMITING. Give milk or water and obtain immediate medical attention showing this sheet.
- Pressure injection:** **OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN IF THE INJURY APPEARS MINOR.**

5. FIRE-FIGHTING MEASURES.

- Suitable extinguishing media:** Dry chemical, CO₂, foam and sand.
- Not to be used:** Water.
- Special exposure hazards:** Combustible.
- Products of Combustion:** Carbon dioxide, carbon monoxide, hydrogen chloride and partially oxidised organic fragments of the product's main ingredients.
- Special protective equipment:** Self-contained breathing apparatus should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES.

- Personal precautions:** Spilt product presents a severe slip hazard.
- Environmental precautions:** Do not allow the spillage to enter sewers, rivers or open water.
- Methods for cleaning up:** Contain and absorb with inert material. Shovel to disposal. Do not allow the area to remain slippery with product residues. Do not allow the spillage to enter sewers, rivers or open water.

7. HANDLING AND STORAGE.

Handling precautions: Handle and open container with care. Avoid contact with skin and eyes.
Provide suitable mechanical equipment for the safe handling of drums.

Storage precautions: Store product undercover away from direct sources of heat.
Keep product dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Occupational exposure limits: Not applicable.

Eyes: Goggles are recommended where the material may be splashed.

Skin: Gloves or suitable pre-work creams are recommended if prolonged or repeated contact with the fluid occurs..

Inhalation: Local exhaust ventilation is recommended when excessive product misting occurs.

Industrial Hygiene: Good standards of industrial hygiene together with the use of after-work creams are recommended for use of the product.

9. PHYSICAL AND CHEMICAL PROPERTIES.

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|-------------------------------------|-----------------|------------------------------------|-----------------|
| Physical Form: | Liquid. | Appearance: | Clear,yellow. |
| Odour: | Mild. | Specific Gravity (@15.5°C): | 1.25 |
| Pour Point (°C): | 3 approx. | Boiling Point (°C): | >250 |
| pH - concentrate: | Not applicable. | pH - working strength: | Not applicable. |
| Vapour Pressure (kPa): | Negligible. | Vapour Density (air=1): | >1 |
| Miscibility with water: | Immiscible. | Evaporation Rate (nBuAc=1): | Negligible. |
| Viscosity cS.: | 4000 @ 40°C. | Autoflammability,°C: | Not determined. |
| Flash Point (°C, Open Cup): | >170 | | |
| Explosive properties %: | Not determined. | | |

The data given here is typical for this material. It does not constitute a specification.

10. STABILITY AND REACTIVITY.

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| Chemical stability: | The product is stable and not subject to polymerisation |
| Conditions to avoid: | Avoid overheating. Avoid ingress of water. |
| Materials to avoid: | Avoid strong oxidising agents. |
| Hazardous decomposition products: | Product does not decompose at ambient temperature. |

11. TOXICOLOGICAL INFORMATION.

The following toxicological assessment is based on a knowledge of the toxicity of the product's components.

Health Effects:

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| Eyes: | Mildly irritating to eyes. |
| Skin: | Prolonged or repeated contact in conditions of poor industrial hygiene may cause irritation. |
| Inhalation: | Inhalation of mists may cause irritation. |
| Ingestion: | Ingestion of large quantities may cause nausea and sickness |
| Chronic: | Repeated exposure to high levels may produce liver and kidney damage. |
| Special hazards of product after use: | Oxidation during use and contamination with metal fines will increase the likelihood of skin irritation occurring. |
| Pressure injection: | Injection of all products will cause severe internal damage if not promptly treated. |

12. ECOLOGICAL INFORMATION.

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| Mobility: | Relatively immobile liquid, involatile, insoluble in and heavier than water. |
| Persistence and degradability: | Slow degradation in soil and water. |
| Bioaccumulative potential: | The product has the potential to bioaccumulate owing to the presence of one or more of its components.. |
| Ecotoxicity: | The product is partially removed in biological treatment processes. |

13. DISPOSAL CONSIDERATIONS.

Disposal must be in accordance with local and national legislation.

Unused material: The product should be removed by approved waste contractors who should be advised of the chlorine content.

Used material: The product may be recycled by competent companies or removed by an approved waste contractor who should be informed of its chlorine content.

Empty packaging: 205 litre unlined steel drums may be returned for recycling. All other packaging should be disposed of in a manner acceptable to the authorities.

14. TRANSPORT INFORMATION.

Classification for transport: Not classified.

UN number: Not applicable.

Packing group: Not applicable.

IMO Class: Not applicable.

ICAO/IATA Class: Not applicable.

ADR/RID Class: Not applicable.

Marine pollutant: No.

15. REGULATORY INFORMATION.

Classification for Supply: Not classified.

Risk phrases: Not applicable.

Safety phrases: Not applicable.

Note: Not applicable.

Statutory Instruments: The Health and Safety at Work etc. Act 1974.
Control of Substances Hazardous to Health Regulations 1988.
Environmental Protection Act 1990.
Chemicals(Hazard Information and Packaging)Regulations 1996.(As amended).

16. OTHER INFORMATION.

Note: where this product is used in applications other than those specified either here or in writing from Houghton plc we can accept no responsibility for loss or damage incurred.

Where applicable, concentration control methods are available on request.

Detailed formulations are available to medical officers and their advisors in confidence only on written request.

If the Issue No. is a Revision, then the important changes to the SDS are highlighted by "++++".

The following references provide further information on specific aspects:

EH 26 - Occupational Skin Diseases: Health and Safety Precautions.

EH 40 - Occupational Exposure Limits.

EH 62 - Metalworking Fluids - Health Precautions.

MS(B)6 - Save Your Skin! - Occupational Contact Dermatitis.

SHW 367 - Dermatitis - Cautionary Notice.

MS 24 - Health surveillance of occupational skin disease.

IND(G)165(L)-Health surveillance programmes for employees exposed to metalworking fluids.

IND(G)167(L)-Health risks from metalworking fluids.

IND(G)168(L)-Management of metalworking fluids.

IND(G)169(L)-Metalworking fluids.

Engineering Sheet No.14-Skin creams and skin protection in the engineering sector.

The above publications are available from HSE.

SDS preparation date: