# SAFETY DATA SHEET

**Order Code:**
SHR-732-4020K

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | |
|---|---|
| **Trade name or designation of the mixture** | SHERWOOD TAPPING & DRILLING FLUID |
| **Registration number** | - |
| **Synonyms** | None. |
| **Product code** | UDS000968BU |
| **Issue date** | 07-November-2022 |
| **Version number** | 2.0 |
| **Revision date** | 18-February-2026 |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| **Identified uses** | Lubricants |
| **Uses advised against** | None known. |

### 1.3. Details of the supplier of the safety data sheet

| | |
|---|---|
| **Company name** | Cromwell Group (Holdings) Limited |
| **Address** | 65 Chartwell Drive<br>Leicester, England<br>LE18 2FS |
| **Telephone** | 0800 338877 |
| **E-mail**<br>**Website** | contactus@cromwell.co.uk<br>www.cromwell.co.uk |

| | |
|---|---|
| **Company name** | Cromwell Group (Holdings) Limited |
| **Address** | 65 Chartwell Drive<br>Leicester, England<br>LE18 2FS |
| **Telephone** | 0800 338877 |
| **E-mail**<br>**Website** | contactus@cromwell.co.uk<br>www.cromwell.co.uk |

### 1.4. Emergency telephone number

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Regulation (EC) No 1272/2008 as amended**

| | | |
|---|---|---|
| **Health hazards** | | |
| Reproductive toxicity | Effects on or via lactation | H362 - May cause harm to breast-fed children. |
| **Environmental hazards** | | |
| Hazardous to the aquatic environment, acute aquatic hazard | Category 1 | H400 - Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 1 | H410 - Very toxic to aquatic life with long lasting effects. |

### 2.2. Label elements

**Label according to Regulation (EC) No. 1272/2008 as amended**

**Hazard pictograms**



**Signal word** Warning

**Hazard statements**

H362 May cause harm to breast-fed children.
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

**Prevention**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P263 Avoid contact during pregnancy and while nursing.
P273 Avoid release to the environment.

**Response**

P391 Collect spillage.

**Storage** Not assigned.

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information** EUH066 - Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards** The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. This mixture contains a substance that meets the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| alkanes, C14-17, chloro; chlorinated paraffins, C14-17 | 25 - 50 | 85535-85-9<br>287-477-0 | 01-2119519269-33 | 602-095-00-X | PBT<br>vPvB |

**Classification:** Lact.;H362, Aquatic Acute 1;H400, Aquatic Chronic 1;H410

**List of abbreviations and symbols that may be used above**

#: This substance has been assigned Union workplace exposure limit(s).
ATE: Acute toxicity estimate.
M: M-factor
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**4.1. Description of first aid measures**

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed** Exposure may cause temporary irritation, redness, or discomfort.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** No unusual fire or explosion hazards noted.

**5.1. Extinguishing media**

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** During fire, gases hazardous to health may be formed.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures** Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours.

**For emergency responders** Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**6.2. Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**6.4. Reference to other sections** Not available.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapours. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**7.2. Conditions for safe storage, including any incompatibilities** Store away from incompatible materials (see Section 10 of the SDS).

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Not available.

**Derived no effect levels (DNELs)**

**General population**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| alkanes, C14-17, chloro; chlorinated paraffins, C14-17 (CAS 85535-85-9) | | | |
| Long-term, Systemic, Dermal | 28.75 mg/kg | 40 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 2 mg/m3 | 10 | Repeated dose toxicity |
| Long-term, Systemic, Oral | 0.58 mg/kg | 40 | Repeated dose toxicity |

**Workers**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| alkanes, C14-17, chloro; chlorinated paraffins, C14-17 (CAS 85535-85-9) | | | |
| Long-term, Systemic, Dermal | 47.9 mg/kg | 24 | Repeated dose toxicity |
| Long-term, Systemic, Inhalation | 6.7 mg/m3 | 6 | Repeated dose toxicity |

| | |
|---|---|
| **Predicted no effect concentrations (PNECs)** | Not available. |

**8.2. Exposure controls**

| | |
|---|---|
| **Appropriate engineering controls** | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **General information** | Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. |
| **Eye/face protection** | Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166. |
| **Skin protection** | |
| **- Hand protection** | When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier. |
| **- Other** | Wear suitable protective clothing. |
| **Respiratory protection** | In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. (Filter type A) |
| **Thermal hazards** | Wear appropriate thermal protective clothing, when necessary. |
| **Hygiene measures** | When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| **Environmental exposure controls** | Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels. |

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | |
| **Physical state** | Liquid. |
| **Form** | Not available. |
| **Colour** | Yellow. |
| **Odour** | Oil. |
| **Odour threshold** | Not available. |
| **pH** | Not applicable. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | Not available. |
| **Flash point** | 221.0 °C (429.8 °F) Open cup |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not available. |
| **Upper/lower flammability or explosive limits** | |
| **Explosive limit - lower ( %)** | Not available. |
| **Explosive limit – upper (%)** | Not available. |
| **Vapour pressure** | Not available. |
| **Vapour density** | Not available. |
| **Relative density** | 1.05 g/cm3 15 °C |
| **Solubility(ies)** | |
| **Solubility (water)** | Insoluble in water |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | > 144 cSt |
| **Viscosity temperature** | 40 °C (104 °F) |

| | |
|---|---|
| **Explosive properties** | Not explosive. |
| **Oxidising properties** | Not oxidising. |
| **9.2. Other information** | No relevant additional information available. |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **10.2. Chemical stability** | Material is stable under normal conditions. |
| **10.3. Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **10.4. Conditions to avoid** | Not available. |
| **10.5. Incompatible materials** | Strong oxidising agents. |
| **10.6. Hazardous decomposition products** | Not available. |

## SECTION 11: Toxicological information

| | |
|---|---|
| **General information** | Occupational exposure to the substance or mixture may cause adverse effects. |

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Based on available data, the classification criteria are not met. |
| **Skin contact** | Based on available data, the classification criteria are not met. |
| **Eye contact** | Based on available data, the classification criteria are not met. |
| **Ingestion** | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
| **Symptoms** | Exposure may cause temporary irritation, redness, or discomfort. |

**11.1. Information on toxicological effects**

**Acute toxicity** Based on available data, the classification criteria are not met.

| Components | Species | Test Results |
|---|---|---|
| alkanes, C14-17, chloro; chlorinated paraffins, C14-17 (CAS 85535-85-9) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000 mg/kg |
| **Oral** | | |
| LD50 | Rat | > 2000 mg/kg |

| | |
|---|---|
| **Skin corrosion/irritation** | Based on available data, the classification criteria are not met. |
| **Serious eye damage/eye irritation** | Based on available data, the classification criteria are not met. |
| **Respiratory sensitisation** | Based on available data, the classification criteria are not met. |
| **Skin sensitisation** | Based on available data, the classification criteria are not met. |
| **Germ cell mutagenicity** | Based on available data, the classification criteria are not met. |
| **Carcinogenicity** | Based on available data, the classification criteria are not met. |
| **Reproductive toxicity** | May cause harm to breastfed babies. |
| **Specific target organ toxicity - single exposure** | Based on available data, the classification criteria are not met. |
| **Specific target organ toxicity - repeated exposure** | Based on available data, the classification criteria are not met. |
| **Aspiration hazard** | Based on available data, the classification criteria are not met. |
| **Mixture versus substance information** | Not available. |

## SECTION 12: Ecological information

**12.1. Toxicity** Very toxic to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|---|---|---|
| alkanes, C14-17, chloro; chlorinated paraffins, C14-17 (CAS 85535-85-9) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Algae | EC50 | Algae | > 3.2 mg/l, 96 hours |

| Components | | Species | Test Results |
|---|---|---|---|
| Crustacea | EC50 | Daphnia magna | 0.006 mg/l, 48 hours |
| Fish | LC50 | Fish | > 5000 mg/l, 96 hours |

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential** No data available.

**Partition coefficient n-octanol/water (log Kow)** Not available.

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** This mixture contains a substance that meets the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions** Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

**ADR**

**14.1. UN number** UN3082

**14.2. UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17,chloro-)

**14.3. Transport hazard class(es)**

**Class** 9

**Subsidiary risk** -

**Hazard No. (ADR)** Not assigned.

**Tunnel restriction code** E

**ADR/RID - Classification code:** M6

**14.4. Packing group** III

**14.5. Environmental hazards** Yes

**14.6. Special precautions for user** Not assigned.

**RID**

**14.1. UN number** UN3082

**14.2. UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17,chloro-)

**14.3. Transport hazard class(es)**

**Class** 9

**Subsidiary risk** -

**Label(s)** 9

**14.4. Packing group** III

**14.5. Environmental hazards** Yes

**14.6. Special precautions for user** Not assigned.

**ADN**

**14.1. UN number** UN3082

**14.2. UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17,chloro-)

**14.3. Transport hazard class(es)**

| | |
|---|---|
| **Class** | 9 |
| **Subsidiary risk** | - |
| **Label(s)** | 9 |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | Yes |
| **14.6. Special precautions for user** | Not assigned. |

**IATA**

| | |
|---|---|
| **14.1. UN number** | UN3082 |
| **14.2. UN proper shipping name** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17,chloro-) |

**14.3. Transport hazard class(es)**

| | |
|---|---|
| **Class** | 9 |
| **Subsidiary risk** | - |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | Yes |
| **14.6. Special precautions for user** | Not assigned. |

**IMDG**

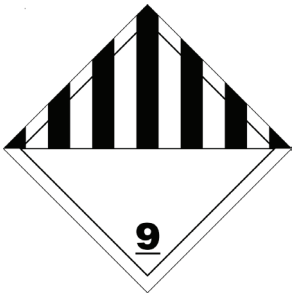
| | |
|---|---|
| **14.1. UN number** | UN3082 |
| **14.2. UN proper shipping name** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17,chloro-), MARINE POLLUTANT |

**14.3. Transport hazard class(es)**

| | |
|---|---|
| **Class** | 9 |
| **Subsidiary risk** | - |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | |
| **Marine pollutant** | Yes |
| **EmS** | F-A,S-F |
| **14.6. Special precautions for user** | Not assigned. |

| | |
|---|---|
| **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not established. |

**ADN; ADR; IATA; IMDG; RID**




**Marine pollutant**



## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Retained direct EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

alkanes, C14-17, chloro; chlorinated paraffins, C14-17 (CAS 85535-85-9)

**Authorisations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

**Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

alkanes, C14-17, chloro; chlorinated paraffins, C14-17 (CAS 85535-85-9)

**Other regulations**

Not available.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

**List of abbreviations**

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
CAS: Chemical Abstract Service.
Ceiling: Short Term Exposure Limit Ceiling value.
CEN: European Committee for Standardization.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
GWP: Global Warming Potential.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VOC: Volatile organic compounds.
vPvB: Very persistent and very bioaccumulative.
STEL: Short-term Exposure Limit.

**References**

Not available.

| | |
|---|---|
| **Information on evaluation method leading to the classification of mixture** | Not available. |
| **Full text of any statements, which are not written out in full under sections 2 to 15** | H362 May cause harm to breast-fed children.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects. |
| **Revision information** | None. |
| **Training information** | Not available. |
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