# SAFETY DATA SHEET

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

### 1.1. Product identifier

| | |
|---|---|
| **Trade name or designation of the mixture** | 3H OIL FG |
| **Registration number** | - |
| **Synonyms** | None. |
| **Product code** | UDS000637BU |
| **Issue date** | 17-November-2022 |
| **Version number** | 1.0 |
| **Revision date** | 17-November-2022 |

### 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** | CRC Industries UK Ltd. |
| **Address** | Wylds Road<br>Castlefield Industrial Estate<br>TA6 4DD Bridgwater Somerset<br>United Kingdom |
| **Telephone** | +44 1278 727200 |
| **Fax** | +44 1278 425644 |
| **E-mail** | hse.uk@crcind.com |
| **Website** | www.crcind.com |
| **Company name** | CRC Industries Europe bv |
| **Address** | Touwslagerstraat 1<br>9240 Zele<br>Belgium |
| **Telephone** | +32(0)52/45.60.11 |
| **Fax** | +32(0)52/45.00.34 |
| **E-mail** | hse@crcind.com |
| **Website** | www.crcind.com |

**1.4. Emergency telephone number** Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h GMT)

## 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**

| | | |
|---|---|---|
| Aspiration hazard | Category 1 | H304 - May be fatal if swallowed and enters airways. |

### 2.2. Label elements

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

**Contains:** White mineral oil

**Hazard pictograms**



**Signal word** Danger

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

**Prevention**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

**Response**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331 Do NOT induce vomiting.

**Storage** Not assigned.

**Disposal**

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

**Supplemental label information** None.

**2.3. Other hazards** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. 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.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| White mineral oil | 60 - 100 | 8042-47-5<br>232-455-8 | 01-2119487078-27 | - | |
| **Classification:** Asp. Tox. 1;H304 | | | | | |

**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.

## SECTION 4: First aid measures

**General information** 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** Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**4.2. Most important symptoms and effects, both acute and delayed** Aspiration may cause pulmonary oedema and pneumonitis.

**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** Will burn if involved in a fire. No unusual fire or explosion hazards noted.

**5.1. Extinguishing media**

**Suitable extinguishing media** Foam. Dry chemicals. 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** | Cool containers exposed to heat with water spray and remove container, if no risk is involved. |
| **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. |
| **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 discharge into drains, water courses or onto the ground. |
| **6.3. Methods and material for containment and cleaning up** | The product is immiscible with water and will spread on the water surface.<br><br>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.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. |
| **6.4. Reference to other sections** | For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS. |

## SECTION 7: Handling and storage

| | |
|---|---|
| **7.1. Precautions for safe handling** | Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. |
| **7.2. Conditions for safe storage, including any incompatibilities** | Keep away from heat and sources of ignition. Store in tightly closed container. 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** | Follow standard monitoring procedures. |

**Derived no effect levels (DNELs)**

**General population**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| White mineral oil (CAS 8042-47-5) | | | |
| Long-term, Systemic, Dermal | 93 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 35 mg/m3 | | |

**Workers**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| White mineral oil (CAS 8042-47-5) | | | |
| Long-term, Systemic, Dermal | 220 mg/kg bw/day | | |
| Long-term, Systemic, Inhalation | 160 mg/m3 | | |

**Predicted no effect concentrations (PNECs)**

| Components | Value | Assessment factor | Notes |
|---|---|---|---|
| White mineral oil (CAS 8042-47-5) | | | |
| Secondary poisoning | 17 g/kg | 300 | Oral |

**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** | 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** | 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** | Liquid. |
| **Colour** | Colourless. |
| **Odour** | Odourless. |
| **Odour threshold** | Not available. |
| **pH** | Not applicable. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | Not available. |
| **Flash point** | > 182.0 °C (> 359.6 °F) |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not available. |
| **Upper/lower flammability or explosive limits** | |
| **Explosive limit - lower ( %)** | 0.9 % |
| **Explosive limit – upper (%)** | 7 % |
| **Vapour pressure** | < 0.01 kPa |
| **Vapour pressure temp.** | 20 °C (68 °F) |
| **Vapour density** | Not available. |
| **Relative density** | 0.85 g/cm3 20 °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** | 14.5 - 17.5 mm²/s |
| **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** | Contact with incompatible materials. |

| | |
|---|---|
| **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** | Prolonged inhalation may be harmful. |
| **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** | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| **Symptoms** | Aspiration may cause pulmonary oedema and pneumonitis. |

**11.1. Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | May be fatal if swallowed and enters airways. |
| **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. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| White mineral oil (CAS 8042-47-5) | 3 Not classifiable as to carcinogenicity to humans. |

| | |
|---|---|
| **Reproductive toxicity** | Based on available data, the classification criteria are not met. |
| **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** | May be fatal if swallowed and enters airways. |
| **Mixture versus substance information** | Not available. |

## SECTION 12: Ecological information

| | |
|---|---|
| **12.1. Toxicity** | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| **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 does not contain substances assessed to be vPvB / 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. |
| **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. 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. - 14.6.: Not regulated as dangerous goods.

**RID**

14.1. - 14.6.: Not regulated as dangerous goods.

**ADN**

14.1. - 14.6.: Not regulated as dangerous goods.

**IATA**

14.1. - 14.6.: Not regulated as dangerous goods.

**IMDG**

14.1. - 14.6.: Not regulated as dangerous goods.

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

## 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**

Not listed.

**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**

Not listed.

**Other regulations**

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

| | |
|---|---|
| **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.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
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.
MAC: Maximum Allowed Concentration.
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.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
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** The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any statements, which are not written out in full under sections 2 to 15** H304 May be fatal if swallowed and enters airways.

**Revision information** None.

**Training information** Follow training instructions when handling this material.

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