

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

1.1 Product identifier

Product name: CASSIDA CHAIN OIL 320 SPRAY

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

Identified uses: Lubricating oil

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier FUCHS LUBRICANTS (UK) PLC.
New Century Street
ST1 5HU Hanley

Telephone: +44 (0) 1782 203700

Contact Person: Product Safety department

E-mail: product.safety@fuchs.com
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1.4 Emergency telephone number: UK NHS: Dial 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Hazard summary

Physical Hazards: Flammable aerosol.

2.2 Label Elements

Signal Words:

Hazard Statement(s):

Product name: CASSIDA CHAIN OIL 320 SPRAY

Precautionary Statements

General information:

Prevention:

Storage:

Disposal:

2.3 Other hazards: By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture of components with propellant in aerosol can.

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: Dizziness Freeze burns

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Product name: CASSIDA CHAIN OIL 320 SPRAY

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| Unsuitable extinguishing media: | Water with a full water jet. |
| 5.2 Special hazards arising from the substance or mixture: | Danger of explosion with aerosol cans. |
| 5.3 Advice for firefighters | |
| Special fire-fighting procedures: | Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains. |
| Special protective equipment for fire-fighters: | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |

SECTION 6: Accidental release measures

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| 6.1 Personal precautions, protective equipment and emergency procedures: | Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Keep away from sources of ignition - No smoking. |
| 6.2 Environmental Precautions: | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. |
| 6.3 Methods and material for containment and cleaning up: | Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations. |
| 6.4 Reference to other sections: | See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. |

SECTION 7: Handling and storage:

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| 7.1 Precautions for safe handling: | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with flame and heat source, prevent contact with direct sunlight Use only in well-ventilated areas. |
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Product name: CASSIDA CHAIN OIL 320 SPRAY

7.2 Conditions for safe storage, including any incompatibilities: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Local regulations concerning handling and storage of waterpolluting products have to be followed. Local regulations for the storage and handling of aerosol cans and flammable liquids have to be kept. Keep away from heat/sparks/hot surfaces. - No smoking.

7.3 Specific end use(s): Not applicable

Storage Class: 2 B, Aerosols

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

| Chemical name | Type | Exposure Limit Values | Source |
|---------------|------|-----------------------|---|
| Butane | TWA | 600 ppm 1.450 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011) |
| Butane | STEL | 750 ppm 1.810 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011) |

8.2 Exposure controls

Appropriate engineering controls: Provide adequate ventilation. 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: Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection: Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Product name: CASSIDA CHAIN OIL 320 SPRAY

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: \geq 480 min
Recommended thickness of the material: \geq 0,38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Do not breathe dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection. Filter AX/P2.

Thermal hazards:

Not known.

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 to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

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| Physical state: | Aerosols |
| Form: | Aerosols |
| Color: | Colorless |
| Odor: | Slight |
| pH: | substance/mixture is non-soluble (in water) |
| Freezing point: | -40 °C |
| Boiling Point: | not determined |
| Flash Point: | < -60 °C (DIN EN ISO 2719) |
| Evaporation Rate: | Not applicable for mixtures |
| Flammability (solid, gas): | not determined |
| Flammability Limit - Upper (%)–: | Not applicable for mixtures |
| Flammability Limit - Lower (%)–: | Not applicable for mixtures |
| Vapor pressure: | Not applicable for mixtures |
| Relative vapor density: | Not applicable for mixtures |
| Density: | 0,85 g/cm ³ (15 °C) (DIN 51757) |
| Solubility(ies) | |
| Solubility in Water: | The product is insoluble in water. |

Product name: CASSIDA CHAIN OIL 320 SPRAY

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| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | Not applicable for mixtures |
| Autoignition Temperature: | not determined |
| Decomposition Temperature: | not determined |
| Kinematic viscosity: | 320 mm ² /s (40 °C, DIN 51562) |
| Explosive properties: | Value not relevant for classification |
| Oxidizing properties: | Value not relevant for classification |
| Particle characteristics: | Not applicable |
| 9.2 Other information | |
| Minimum ignition temperature: | 365 °C (DIN 51794) |

SECTION 10: Stability and reactivity

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| 10.1 Reactivity: | Stable under normal use conditions. |
| 10.2 Chemical Stability: | Stable under normal use conditions. |
| 10.3 Possibility of hazardous reactions: | Stable under normal use conditions. |
| 10.4 Conditions to avoid: | Stable under normal use conditions. |
| 10.5 Incompatible Materials: | Strong oxidizing substances. Strong acids. Strong bases. |
| 10.6 Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation:

Product:

Serious Eye Damage/Eye Irritation:

Product:

Product name: CASSIDA CHAIN OIL 320 SPRAY

Respiratory or Skin Sensitization:

Product:

Germ Cell Mutagenicity

Product:

Carcinogenicity

Product:

Reproductive toxicity

Product:

Specific Target Organ Toxicity - Single Exposure

Product:

Specific Target Organ Toxicity - Repeated Exposure

Product:

Aspiration Hazard

Product:

Other adverse effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Product:

Chronic Toxicity

Product:

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects:

Harmful to aquatic life with long lasting effects.

Water Hazard Class

WGK 1: slightly water-endangering.

Product name: CASSIDA CHAIN OIL 320 SPRAY

(WGK):

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

List of Waste (LoW) Codes

16 05 04*: Gases in pressure containers (including halons) containing hazardous substances.

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number: UN 1950
14.2 UN Proper Shipping Name: AEROSOLS
14.3 Transport Hazard Class(es)
Class: 2
Label(s): 2.1
Hazard No. (ADR): –
Tunnel restriction code: (D)
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

IMDG

14.1 UN number or ID number: UN 1950
14.2 UN Proper Shipping Name: AEROSOLS
14.3 Transport Hazard Class(es)
Class: 2.1
Label(s): 2.1
EmS No.: F-D, S-U
14.3 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

IATA

14.1 UN number or ID number: UN 1950
14.2 Proper Shipping Name: Aerosols, flammable
14.3 Transport Hazard Class(es):
Class: 2.1
Label(s): 2.1
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

Product name: CASSIDA CHAIN OIL 320 SPRAY

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

GB Regulations

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019:

none

The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020:

none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

none

Other information:

The classification complies with the current GB lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: On the basis of test data; Calculation Method; Bridging Principle "Substantially similar mixtures"; Expert Judgement

Revision Date:

02.12.2022

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.