Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

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

· **1.1 Product identifier**
· **Trade name: VICKERLUBE FG 3HDC GREASE 2**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Sector of Use**
SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU4 Manufacture of food products
· **Product category** PC24 Lubricants, greases, release products
· **Process category** PROC18 General greasing /lubrication at high kinetic energy conditions
· **Technical function** Lubricating agent

· **Application of the substance / the mixture** FOOD GRADE GREASE

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
BENJN.R.VICKERS & SONS LTD.
6 Clarence Road
Leeds
LS10 1ND
United Kingdom

· **Further information obtainable from:** Product safety department: msds@vickers-oil.com
· **1.4 Emergency telephone number:**
During normal opening times 08:30- 16:30 UK : +44 (0)113 386 7654
All other times: +44 (0) 1865 407333

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the GB CLP regulation.

· **2.2 Label elements**
· **Hazard pictograms** None
· **Signal word** None
· **Hazard statements** None
· **2.3 Other hazards**
Endocrine Disruption- Toxicity
The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) or
Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine Disruption- Ecotoxicity
The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) or
Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

(Contd. on page 2)

Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

Trade name: VICKERLUBE FG 3HDC GREASE 2

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**		
EINECS: 232-455-8	White mineral oil, petroleum substance with a Community workplace exposure limit	70-100%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of 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.
· **After swallowing:**
Do not induce vomiting. Wash out mouth with water. Seek medical attention. showing this sheet.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
· **5.3 Advice for firefighters**
· **Protective equipment:** Do not inhale explosion gases or combustion gases.

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SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

(Contd. on page 3)

Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

Trade name: VICKERLUBE FG 3HDC GREASE 2

(Contd. of page 2)

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special measures required.
· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
White mineral oil, petroleum	
OEL	Short-term value: 5 mg/m³

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
· **Respiratory protection:**
Use suitable respiratory protective device only when aerosol or mist is formed.
· **Hand protection**
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 the 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/face protection** Goggles recommended during refilling

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**

· **Physical state**	Fluid
· **Colour:**	Colourless
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.

(Contd. on page 4)

Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

Trade name: VICKERLUBE FG 3HDC GREASE 2

(Contd. of page 3)

· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	Undetermined.
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	>150 °C
· **Decomposition temperature:**	Not determined.
· **pH**	Not determined.
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **Dynamic:**	Not determined.
· **Solubility**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 25 °C:**	<1 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Grease
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **Solids content:**	0.0 %
· **Change in condition**	
· **Evaporation rate**	Not determined.

· **Information with regard to physical hazard classes**	
· **Explosives**	None
· **Flammable gases**	None
· **Aerosols**	None
· **Oxidising gases**	None
· **Gases under pressure**	None
· **Flammable liquids**	None
· **Flammable solids**	None
· **Self-reactive substances and mixtures**	None
· **Pyrophoric liquids**	None
· **Pyrophoric solids**	None
· **Self-heating substances and mixtures**	None
· **Substances and mixtures, which emit flammable gases in contact with water**	None
· **Oxidising liquids**	None
· **Oxidising solids**	None

(Contd. on page 5)

Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

Trade name: VICKERLUBE FG 3HDC GREASE 2

(Contd. of page 4)

· **Organic peroxides**	None
· **Corrosive to metals**	None
· **Desensitised explosives**	None

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SECTION 10: Stability and reactivity

· **10.1 Reactivity** No dangerous reaction know under conditions of normal use
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** Strong oxidising agents
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.
· **LD/LC50 values relevant for classification:** ORAL Rat LD50 >2000mg/kg
· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
· **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** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

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SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** Not easily biodegradable
· **12.3 Bioaccumulative potential** Does not accumulate in organisms
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.

(Contd. on page 6)

Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

Trade name: VICKERLUBE FG 3HDC GREASE 2

(Contd. of page 5)

· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (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.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** Delivery of waste oil to offically authorised collectors only.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number** · **ADR, ADN, IMDG, IATA**	Not hazardous for transport
· **14.2 UN proper shipping name** · **ADR, ADN, IMDG, IATA**	Not hazardous for transport
· **14.3 Transport hazard class(es)** · **ADR, ADN, IMDG, IATA** · **Class**	Not hazardous for transport
· **14.4 Packing group** · **ADR, IMDG, IATA**	Not hazardous for transport
· **14.5 Environmental hazards:**	Not applicable.
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Not hazardous for transport

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SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 7)

Safety data sheet
according to UK REACH

Printing date 15.01.2025 Version Nr.: 11 (replaces version 10) Revision: 15.01.2025

Trade name: VICKERLUBE FG 3HDC GREASE 2

(Contd. of page 6)

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SECTION 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.

· **Department issuing SDS:**
Product safety department
msds@vickers-oil.com
· **Contact:**
Emergency 24 hrs Telephone numbers;
Europe (English) +44 1865 407333
Europe (English, Turkish) +44 1235 239670
Turkey (English, Turkish) 0800 621 2139 (toll-free, Turkey only)
Middle East / Africa (English) +44 1235 239671
Americas (English, Spanish, Portuguese) +1 215 207 0061Americas (English) +1 202 464 2554
Mexico (English, Spanish) +52 555 004 8763
Brazil (Portuguese, Spanish, English) +55 11 3197 5891
Chile (English, Spanish) +56 225 829 336
Colombia (English, Spanish) +57 601 508 7337
Argentina (English, Spanish) +54 11 5984 3690
Asia-Pacific (English, Japanese, Mandarin) +65 3158 1074
Asia-Pacific (English) +65 3165 2217
China (English , Mandarin) 400 120 6011 (toll-free, China only)
China (Mainland) (English, Mandarin) 0532 8388 9090
Taiwan (English, Mandarin) +886 2 8793 3212
Japan (English, Japanese) 0120 015 230 (toll-free, Japan only)
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
· *** Data compared to the previous version altered.**