

FS- PC 0W/20

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name FS- PC 0W/20
Product code 1154, 1155, 1156, 1157
Unique Formula Identifier (UFI) P7Q1-P0N0-700D-HEWT

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

Identified Use(s) Lubricating oil.
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet**Manufacturer**

Company Identification Granville Oil & Chemicals Ltd
Address of Manufacturer 29 Goldthorpe Ind. Est.,
Goldthorpe,
Rotherham,
South Yorkshire,

Postal code S63 9BL

Telephone: +44 (0)1709 890099

Fax Not known.

E-mail lab@granvilleoil.com

Office hours 08:00 - 17:00

Supplier

Company Identification Veedol Deutschland GmbH
Address of Supplier Hans-Böckler-Straße 10
Langenfeld,
Germany

Postal code 40764

Telephone: +49 (0) 2173 893 30 30

Fax Not known.

E-mail lab@granvilleoil.com

Office hours

1.4 Emergency telephone number

Emergency Phone No. +44 (0)1709 890099

Contact Granville Lab

National response centre

Address NHS Direct

Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

FS- PC 0W/20**2.2 Label elements**

| | |
|---------------------------------|---|
| | According to Regulation (EC) No. 1272/2008 (CLP) |
| Product Name | FS- PC 0W/20 |
| Hazard Pictogram(s) | None. |
| Signal Word(s) | None. |
| Hazard Statement(s) | None. |
| Precautionary Statement(s) | P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. |
| Unique Formula Identifier (UFI) | P7Q1-P0N0-700D-HEWT |

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

| HAZARDOUS INGREDIENT(S) | CAS No. | EC No. / REACH Registration No. | %W/W | Hazard Statement(s) | Hazard Pictogram(s) |
|--|-------------|---------------------------------|-------|---|-------------------------|
| Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear | 848301-69-9 | 482-220-0 | 75-85 | Asp. Tox. 1 H304 | GHS08 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil | 72623-86-0 | 276-737-9 | 5-10 | Asp. Tox. 1 H304 | GHS08 |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | 125643-61-0 | 406-040-9 | 1-2 | Aquatic Chronic 4 H413 | None |
| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts | 85940-28-9 | 288-917-4 | <1 | Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 2 H411 | GHS05 GHS07 GHS09 |
| reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1) | 445409-27-8 | 430-380-7 | <1 | Aquatic Chronic 2 H411 | GHS09 |

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| | | | | | |
|--|------------|--|------|----------------|------|
| Distillates (petroleum), solvent-refined heavy paraffinicBaseoil - unspecified[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C).] | 64741-88-4 | 265-090-8 01- 2119488706- 23-XXXX | <0.5 | Not classified | None |
| Distillates (petroleum), solvent-refined light paraffinicBaseoil - unspecified[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).] | 64741-89-5 | 265-091-3 01- 2119487067- 30-XXXX | <0.5 | Not classified | None |
| Distillates (petroleum), solvent-refined heavy naphthenicBaseoil - unspecified[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt a 40 °C). It contains relatively few normal paraffins.] | 64741-96-4 | 265-097-6 01- 2119483621- 38-XXXX | <0.5 | Not classified | None |
| Distillates (petroleum), hydrotreated heavy naphthenicBaseoil - unspecified[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] | 64742-52-5 | 265-155-0 01- 2119467170- 45-XXXX | <0.5 | Not classified | None |
| Distillates (petroleum), hydrotreated heavy paraffinicBaseoil - unspecified[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through | 64742-54-7 | 265-157-1 01- 2119484627- 25-XXXX | <0.5 | Not classified | None |

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| | | | | | |
|--|------------|--|------|---|----------------|
| C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] | | | | | |
| Magnesium carbonate | 546-93-0 | 208-915-9 01- 2119523999- 20-XXXX | <0.5 | Not classified | None |
| Reaction mass of Di-μ-thio-[[bis(2-ethylhexyl)carbamato-S,S']oxo molybdenum(V)], Di-μ-thio-[[{(2-ethylhexyl)carbamato-S,S'}{(branched ditridecyl)carbamato-S,S'}oxo molybdenum(V)] and Di-μ-thio-[[bis(branched ditridecyl)carbamato-S,S']oxo molybdenum(V)] | | 441-570-4 01- 0000018545- 66-XXXX | <0.5 | Skin Irrit. 2 H315 | GHS07 |
| Distillates (petroleum), hydrotreated light naphthenicBaseoil - unspecified[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] | 64742-53-6 | 265-156-6 01- 2119480375- 34 | <0.5 | Asp. Tox. 1 H304 | GHS08 |
| Magnesium carbonate | 546-93-0 | 208-915-9 | <0.5 | Not classified | None |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 70024-69-0 | 274-263-7 | <0.1 | Skin Sens. 1B H317 | GHS07 |
| Methyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | 6386-38-5 | 228-985-4 | <0.1 | Aquatic Chronic 2 H411 | GHS09 |
| Calcium dihydroxide | 1305-62-0 | 215-137-3 | <0.1 | Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335 | GHS05 GHS07 |

Contains no non-classified vPvB substances.

Contains a non-classified substance with a Union workplace exposure limit. Magnesite inhalable dust (546-93-0) Magnesite inhalable dust (546-93-0)

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

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| | |
|--------------|---|
| Inhalation | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Skin Contact | Wash skin with water. |
| Eye Contact | Flush eyes with water for at least 15 minutes. |
| Ingestion | Wash out mouth with water. |

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
|--------------------------------|--------------------------------------|
| Suitable Extinguishing media | Foam, CO ₂ or dry Powder. |
| Unsuitable extinguishing media | Do not use water. |

5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

| | |
|------------------------|---------------------------------|
| Storage temperature | Ambient. |
| Storage life | Stable under normal conditions. |
| Incompatible materials | None known. |

7.3 Specific end use(s)

Not known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1 Control parameters

8.1.1 Occupational Exposure Limits

| Occupational Exposure Limits | | | | | | |
|---|-------------|---------------------|------------------------------------|------------|---------------------------|------|
| SUBSTANCE. | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m ³) | STEL (ppm) | STEL (mg/m ³) | Note |
| Molybdenum compounds (as Mo)insoluble compounds | 445409-27-8 | | 10 | | 20 | |
| Magnesite inhalable dust | 546-93-0 | | 10 | | | |
| Magnesite respirable dust | 546-93-0 | | 4 | | | |
| Calcium hydroxide | 1305-62-0 | | 5 | | | |
| Calcium hydroxide - Respirable fraction | 1305-62-0 | | 1 | | 4 | |
| Magnesite inhalable dust | 546-93-0 | | 10 | | | |
| Magnesite respirable dust | 546-93-0 | | 4 | | | |

Region Source
 United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear Impervious Gloves (EN374)



Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical state Liquid.

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| | |
|--|--|
| Colour | Amber. |
| Odour | Characteristic odour. |
| Melting point/freezing point | Not known. |
| Boiling point or initial boiling point and boiling range | Not known. |
| Flammability | Not known. |
| Lower and upper explosion limit | Not known. |
| Flash Point | Not known. |
| Auto-ignition temperature | Not known. |
| Decomposition Temperature | Not known. |
| pH | Not known. |
| Kinematic Viscosity | ≥40 mm ² /s |
| Solubility | Solubility (Water) : Not known. Solubility (Other) : Not known. |
| Partition coefficient n-octanol/water (log value) | Not known. |
| Vapour pressure | Not known. |
| Density and/or relative density | Not known. |
| Relative vapour density | Not known. |
| Particle characteristics | Not known. |
| 9.2 Other information | None. |

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| | |
|-------------------------------|---|
| Acute toxicity - Ingestion | Calculation method : Not classified. |
| Acute toxicity - Skin Contact | Calculation method : Not classified. |
| Acute toxicity - Inhalation | Calculation method : Not classified. |
| Skin corrosion/irritation | Calculation method : Causes mild skin irritation. |

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| | |
|--------------------------------|--------------------------------------|
| Serious eye damage/irritation | Calculation method : Not classified. |
| Skin sensitization data | Calculation method : Not classified. |
| Respiratory sensitization data | Calculation method : Not classified. |
| Germ cell mutagenicity | Calculation method : Not classified. |
| Carcinogenicity | Calculation method : Not classified. |
| Reproductive toxicity | Calculation method : Not classified. |
| Lactation | Calculation method : Not classified. |
| STOT - single exposure | Calculation method : Not classified. |
| STOT - repeated exposure | Calculation method : Not classified. |
| Aspiration hazard | Calculation method : Not classified. |

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

| | |
|------------------------------------|--------------------------------|
| Toxicity - Aquatic invertebrates | Low toxicity to invertebrates. |
| Toxicity - Fish | Low toxicity to fish. |
| Toxicity - Algae | Low toxicity to algae. |
| Toxicity - Sediment Compartment | Not classified. |
| Toxicity - Terrestrial Compartment | Not classified. |

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

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| | |
|---|---------------------------------------|
| 14.1 UN number or ID number | Not applicable |
| 14.2 UN proper shipping name | Not applicable |
| 14.3 Transport hazard class(es) | Not applicable |
| 14.4 Packing group | Not applicable |
| 14.5 Environmental hazards | Not classified as a Marine Pollutant. |
| 14.6 Special precautions for user | Not known |
| 14.7 Maritime transport in bulk according to IMO instruments | Not known |

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
 Carcinogens: category 1B (64741-88-4), Carcinogens: category 1B (64741-89-5), Carcinogens: category 1B (64741-96-4), Carcinogens: category 1B (64742-52-5), Carcinogens: category 1B (64742-54-7), Carcinogens: category 1B (64742-53-6), Carcinogens: category 1B (72623-86-0), Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9), reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1) (445409-27-8), Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0), Methyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (6386-38-5), Calcium dihydroxide (1305-62-0), Reaction mass of Di- μ -thio-[[bis(2-ethylhexyl)carbamato-S,S']oxo molybdenum(V)], Di- μ -thio-[[{(2-ethylhexyl)carbamato-S,S'}{(branched ditridecyl)carbamato-S,S'}oxo molybdenum(V)] and Di- μ -thio-[[bis(branched ditridecyl)carbamato-S,S']oxo molybdenum(V)] (), Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear (848301-69-9)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council Not listed

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concerning the export and import of
hazardous chemicals

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

| | |
|----------------------------|---|
| Hazard Pictogram(s) | None. GHS05: GHS: Corrosion GHS07: GHS: Exclamation mark GHS08: GHS: Health hazard GHS09: GHS: Environment |
| Hazard classification | Asp. Tox. 1 : Aspiration hazard, Category 1 Skin Irrit. 2 : Skin corrosion/irritation, Category 2 Skin Sens. 1B : Skin sensitization, Category 1B Eye Dam. 1 : Serious eye damage/irritation, Category 1 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2 Aquatic Chronic 4 : Hazardous to the aquatic environment, Chronic, Category 4 |
| Hazard Statement(s) | H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H335: May cause respiratory irritation. H411: Toxic to aquatic life with long lasting effects. H413: May cause long lasting harmful effects to aquatic life. |
| Precautionary Statement(s) | None. |
| Acronyms | ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community |

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EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP)
data used to compile the SDS

Disclaimers

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