

**MTF FS 70W**

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

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

Product Name MTF FS 70W  
Product code 1407  
Unique Formula Identifier (UFI) 6PR1-90CR-E00T-S7TW

**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

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

Regulation (EC) No. 1272/2008 (CLP) Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

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|                            |  |
|----------------------------|--|
|                            | According to Regulation (EC) No. 1272/2008 (CLP)   |
| Product Name               | MTF FS 70W   |
| Hazard Pictogram(s)        | None.  |
| Signal Word(s)             | None.  |
| Hazard Statement(s)        | H412: Harmful to aquatic life with long lasting effects.<br>EUH208: Contains: (Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched))<br>May produce an allergic reaction. |
| Precautionary Statement(s) | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P273: Avoid release to the environment.<br>P501: Dispose of contents in accordance with local, state or national legislation.               |

Unique Formula Identifier (UFI) 6PR1-90CR-E00T-S7TW

**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) |
|--|------------|---------------------------------------|-------|---------------------|---------------------|
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-basedBaseoil  | 72623-86-0 | 276-737-9                             | 40-60 | Asp. Tox. 1 H304    | GHS08               |
| 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 C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a | 64742-54-7 | 265-157-1<br>01-<br>2119484627-<br>25 | <3    | Not classified      | None                |

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|  |             |                                       |      |   |                                  |
|--|-------------|---------------------------------------|------|---|----------------------------------|
| relatively large proportion of saturated hydrocarbons.]  |             |                                       |      |   |                                  |
| Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)  | 141904-03-2 | 931-384-6<br>01-<br>2119493620-<br>38 | <1   | Acute Tox. 4 H302<br>Skin Sens. 1B H317<br>Eye Irrit. 2 H319<br>Aquatic Chronic 2 H411  | GHS07<br>GHS09                   |
| Distillates (petroleum), solvent-dewaxed heavy paraffinicBaseoil - unspecified[A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] | 64742-65-0  | 265-169-7                             | <1   | Asp. Tox. 1 H304  | GHS08                            |
| 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<br>01-<br>2119488706-<br>23 | <1   | Not classified  | None                             |
| 1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol  | 89347-09-1  | 293-927-7<br>01-<br>2119976351-<br>35 | <0.5 | Aquatic Chronic 3 H412  | None                             |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines  | 112-90-3    | 627-034-4<br>01-<br>2119473797-<br>19 | <0.5 | Acute Tox. 4 H302<br>Asp. Tox. 1 H304<br>Skin Corr. 1B H314<br>STOT SE 3 H335<br>STOT RE 2 H373<br>Aquatic Acute 1 H400<br>Aquatic Chronic 1 H410 | GHS05<br>GHS08<br>GHS07<br>GHS09 |

| HAZARDOUS INGREDIENT(S) | CAS No. | Specific Concentration Limit | M-factor | ATE |
|-------------------------|---------|------------------------------|----------|-----|
|                         |         |                              |          |     |

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|   |             |  |   |                           |
|---|-------------|--|---|---------------------------|
| Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | 141904-03-2 |  |   | Acute Tox. 4 (H302) : 500 |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines   | 112-90-3    |  | Aquatic<br>Acute 1: 10<br>Aquatic<br>Chronic 1:<br>10 | Acute Tox. 4 (H302) : 500 |

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

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

**SECTION 4: FIRST AID MEASURES**
**4.1 Description of first aid measures**

|              |   |
|--------------|---|
| 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 <sub>2</sub> 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**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

**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**

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

**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**
**8.1 Control parameters**

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

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 Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**MTF FS 70W****9.1 Information on basic physical and chemical properties**

|  |  |
|--|--|
| Physical state   | Liquid.  |
| 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                                      | >25 mm <sup>2</sup> /s   |
| Solubility   | Solubility (Water) : Not known.<br>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.

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|  |   |
|--|---|
|  | Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 54945.05 |
| Acute toxicity - Skin Contact            | Calculation method : Not classified.  |
| Acute toxicity - Inhalation              | Calculation method : Not classified.  |
| Skin corrosion/irritation                | Calculation method : Not classified.  |
| 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.  |
| <b>11.2 Information on other hazards</b> |   |
|  | Not known.  |

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

|                                    |   |
|------------------------------------|---|
|                                    | Harmful to aquatic life. Harmful to aquatic life with long lasting effects. |
| Toxicity - Aquatic invertebrates   | Not known.  |
| Toxicity - Fish                    | Not known.  |
| Toxicity - Algae                   | Not known.  |
| 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 of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point.

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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.****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 (64742-54-7), Carcinogens: category 1B (64742-65-0), Carcinogens: category 1B (64741-88-4), Carcinogens: category 1B (72623-86-0), Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) (141904-03-2), 1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (89347-09-1), C16-18-(even numbered, saturated and unsaturated)-alkylamines (112-90-3)

Community Rolling Action Plan (CoRAP) Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) (931-384-6)

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

European Parliament and of the Council

on persistent organic pollutants

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

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed

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European Parliament and of the Council  
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.<br><br>GHS05: GHS: Corrosion<br>GHS07: GHS: Exclamation mark<br>GHS08: GHS: Health hazard<br>GHS09: GHS: Environment  |
| Hazard classification | Acute Tox. 4 : Acute toxicity, Category 4<br>Asp. Tox. 1 : Aspiration hazard, Category 1<br>Skin Corr. 1B : Skin corrosion/irritation, Category 1B<br>Skin Sens. 1B : Skin sensitization, Category 1B<br>Eye Irrit. 2 : Serious eye damage/irritation, Category 2<br>STOT SE 3 : Specific target organ toxicity — single exposure, Category 3<br>STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2<br>Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1<br>Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1<br>Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2<br>Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3 |
| Hazard Statement(s)   | H302: Harmful if swallowed.<br>H304: May be fatal if swallowed and enters airways.<br>H314: Causes severe skin burns and eye damage.<br>H317: May cause an allergic skin reaction.<br>H319: Causes serious eye irritation.<br>H335: May cause respiratory irritation.<br>H373: May cause damage to organs through prolonged or repeated exposure.<br>H400: Very toxic to aquatic life.  |

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H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P273: Avoid release to the environment.

P501: Dispose of contents in accordance with local, state or national legislation.

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

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 data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

Training Advice

Regular safety training as appropriate

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