



FS-ZT 5W/40

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-ZT 5W/40
Product code 0044, 0134, 0245, 5585, 0037, 5623
Unique Formula Identifier (UFI) S2Q0-Y02W-100R-DHDD

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: +44 (0)1709 890099

Fax Not known.

E-mail lab@granvilleoil.com

Office hours 08:00 - 17:00

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-ZT 5W/40

2.2 Label elements

| | |
|---------------------------------|---|
| Product Name | According to Regulation (EC) No. 1272/2008 (CLP) FS-ZT 5W/40 |
| 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) | S2Q0-Y02W-100R-DHDD |

2.3 Other hazards

EUH208: Contains: (Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts) May produce an allergic reaction.

2.4 Additional Information

None.

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), C20-50, hydrotreated neutral oil-based Baseoil - unspecified | 72623-87-1 | 276-738-4 | 50 - 90 | Asp. Tox. 1 H304 | GHS08 |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 68411-46-1 | 270-128-1 | < 1 | Aquatic Chronic 3 H412 | None |
| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts | 85940-28-9 | 288-917-4 | < 2 | Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 2 H411 | GHS05 GHS07 GHS09 |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 70024-69-0 | 274-263-7 | < 1 | Skin Sens. 1B H317 | GHS07 |



FS-ZT 5W/40

| | | | | | |
|---|------------|-----------|-------|---|-------------------------|
| reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1) | | 430-380-7 | < 0.5 | Aquatic Chronic 2 H411 | GHS09 |
| calcium dihydroxide | 1305-62-0 | 215-137-3 | < 0.5 | Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335 | GHS05 GHS07 |
| diphenylamine | 122-39-4 | 204-539-4 | < 0.5 | Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT RE 2 H373 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 | GHS06 GHS08 GHS09 |
| Distillates (petroleum), hydrotreated middle Gasoil - 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 C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).] | 64742-46-7 | 265-148-2 | < 0.5 | Asp. Tox. 1 H304 Skin Irrit. 2 H315 Acute Tox. 4 H332 Carc. 1B H350 STOT RE 2 H373 Aquatic Chronic 2 H411 | GHS08 GHS07 GHS09 |

| HAZARDOUS INGREDIENT(S) | CAS No. | Specific Concentration Limit | M-factor | ATE |
|--|------------|------------------------------|----------|---|
| diphenylamine | 122-39-4 | | | Acute Tox. 3 (H301) : 100.000 Acute Tox. 3 (H311) : 300.000 Acute Tox. 3 (H331) : 3.000 |
| Distillates (petroleum), hydrotreated middle Gasoil - 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 | 64742-46-7 | | | Acute Tox. 4 (H332) : 11.000 |



FS-ZT 5W/40

| | | | | |
|--|--|--|--|--|
| carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).] | | | | |
|--|--|--|--|--|

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

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary 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

Adsorb 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



FS-ZT 5W/40

7.1 Precautions for safe handling

Not known.

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)

Lubricating oil

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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 |
| Calcium hydroxide | 1305-62-0 | | 5 | | | |
| Calcium hydroxide - Respirable fraction | 1305-62-0 | | 1 | | 4 | |
| Diphenylamine | 122-39-4 | | 10 | | 20 | |

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.

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.



FS-ZT 5W/40



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. |
| 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 | >200 °C |
| Auto-ignition temperature | Not known. |
| Decomposition Temperature | Not known. |
| pH | Not known. |
| Kinematic Viscosity | =88 mm ² /s 40 °C |
| 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 | Density (g/ml) : 0.856 g/cm ³ - Relative density : 15 °C |
| Relative vapour density | Not known. |
| Particle characteristics | Not known. |

9.2 Other information

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.



FS-ZT 5W/40

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 | Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 1000000.00000 |
| Acute toxicity - Skin Contact | Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 1000000.00000 |
| Acute toxicity - Inhalation | Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 30697.67000 |
| Skin corrosion/irritation | Not classified. |
| Serious eye damage/irritation | Not classified. |
| Skin sensitization data | Not classified. |
| Respiratory sensitization data | Not classified. |
| Germ cell mutagenicity | Not classified. |
| Carcinogenicity | Not classified. |
| Reproductive toxicity | Not classified. |
| Lactation | Not classified. |
| STOT - single exposure | Not classified. |
| STOT - repeated exposure | Not classified. |
| Aspiration hazard | 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.



FS-ZT 5W/40

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

No special precautions are required for this product.

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

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

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Carcinogens: category 1B (64742-46-7), Carcinogens: category 1B (72623-87-1), Carcinogens: category 1B (72623-87-1), Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9), Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1), Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0),



FS-ZT 5W/40

reaction product of cocoalkyldiethanolamides and cocoalkylmonoglycerides and molybdenumtrioxide (1.75-2.2: 0.75-1.0:0.1-1.1) (), calcium dihydroxide (1305-62-0), diphenylamine (122-39-4)

Community Rolling Action Plan (CoRAP) Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the 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.

GHS05: GHS: Corrosion

GHS06: GHS: Skull and crossbones

GHS07: GHS: Exclamation mark

GHS08: GHS: Health hazard

GHS09: GHS: Environment

Hazard classification

Acute Tox. 3 : Acute toxicity, Category 3

Asp. Tox. 1 : Aspiration hazard, Category 1

Acute Tox. 3 : Acute toxicity, Category 3

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1B : Skin sensitization, Category 1B

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Acute Tox. 3 : Acute toxicity, Category 3

Acute Tox. 4 : Acute toxicity, Category 4

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3



FS-ZT 5W/40

Carc. 1B : Carcinogenicity, Category 1B
STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H301: Toxic if swallowed.
H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H350: May cause cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
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)

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
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

**FS-ZT 5W/40**

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

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Granville Oil & Chemicals Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Granville Oil & Chemicals Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.