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

1.1 Product identifier

- Product Name: Top ATF LV Plus
- Product Part Number: TO7045

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

- Use of the substance/mixture: Automative Gear and Transmission Oil
- Use advised against: Do not use in any other application., For specific application information consult Technical Data Sheet.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Falzol/Top Lubricants
- Address of Supplier: Northwest business Park, Collooney, Sligo, F91PPT0

- Telephone: 0719130033

- Email: Sales@Falzol.ie
- Name of Supplier:
- Address of Supplier:

- Telephone:

- Email:

1.4 Emergency telephone number

- Emergency Telephone: For UK and Northern Ireland Tel: 999 or 101., For ROI dial 999 or 112

## SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Aquatic Chronic 3

2.2 Label elements

## SECTION 2: Hazards identification (....)

- Signal Word: None assigned

2.2.1 Hazard statements

Harmful to aquatic life with long lasting effects (H412).

2.2.2 Precautionary statements

Avoid release to the environment (P273).
Keep out of reach of children (P102).
Dispose of contents and/or container in accordance with local/ national regulations (P501).

2.3 Other hazards

- This product is not identified as a PBT/vPvB according to current criteria.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures

3.2.1 Very highly refined mineral base oils

| | |
|---|---|
| CAS Number: | Various see below |
| EC Number: | Various see below |
| REACH Registration Number: | Various see below |
| Index No.: | Various see below |
| Specific concentration limits: | None assigned |
| M factor: | Not applicable |
| Concentration: | 75 - 95% |
| H Statements: | H304 |
| Categories: | Asp. Tox. 1 |

Base oil may contain one or more of the following: 101316-70-5, 309-875-6, 101316-71-6, 309-876-1 101316-72-7, 309-877-7 RRN 01-2119489969-06/ 64741-76-0, 265-077-7, 649-453-00-1, RRN 01-2119486951-26/ 64741-88-4, 265-090-8, RRN 01-2119488706-23, 649-454-00-7/, 64741-89-5, 265-091-3, RRN 01-2119487067-30/ 64741-95-3, 265-096-0, RRN 01-2119487081-40/ 64741-96-4, 265-097-6, RRN 01-2119483621-38/ 64742-01-4, 265-101-6, RRN 01-2119488707-21/ 64742-53-6, 265-156-6, 649-466-00-2, RRN 01-2119480375-34/ 64742-45-6, 265-147-7/ 64742-52-5, 265-155-0, RRN 01-2119467170-45, 649-465-00-7/ 64742-53-6, 265-156-6, RRN 01-2119480375-34, 649-466-00-2/ 64742-54-7, 265-157-1, RRN 01-2119484627-25, 649-461-00-8/ 64742-55-8, 265-158-7, 649-468-00-3, RRN 01-2119487077-29/ 64742-56-9, 265-159-2, RRN 01-2119480132-48, 649-469-00-9/ 64742-57-0, 265-160-8/ 01-2119489287-22/, 64741-88-4, 265-090-8, RNN 01-2119488706-23 / 64742-62-7, 265-166-0 / RRN 01-2119480472-38/ 64742-65-0, 265-169-7, RRN 01-2119471299-27, 649-474-00-6/ 64742-70-7, 265-174-4, RRN 01-2119487080-42 / 68037-01-4, 500-183-1, RNN 01-2119486452-34 /, 111-66-0, 203-893-7, RNN 01-2119486877-14, 01-2119409094-47 / 70693-43-5, 813-310-3/ 72623-85-9, 276-736-3, RRN 01-2119555262-43/ 72623-86-0, 276-737-9, RRN 01-2119474878-16, 649-482-00-x/ 72623-87-1, 276-738-4, RRN 01-2119474889-13, 649-483-00-5/ 74869-22-0 , 278-012-2, RRN 01-2119495601-36, 649-484-00-0/ 8042-47-5, 232-455-8, 01-2119487078-27.

3.2.2 Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer ACC-QT664993-91

## SECTION 3: Composition/information on ingredients (....)

| | |
|---|---|
| CAS Number: | Not available |
| EC Number: | Not available |
| REACH Registration Number: | Not available |
| Index No.: | Not availiable |
| Specific concentration limits: | None assigned |
| M factor: | Not applicable |
| Concentration: | <3% |
| H Statements: | H319 |
| Categories: | Skin Irrit. 2 |

3.2.3 Long-chain and very long-chain alkenyl succinimide ACC-NN808816-16

| | |
|---|---|
| CAS Number: | Not available |
| EC Number: | Not available |
| REACH Registration Number: | Not available |
| Index No.: | Not availiable |
| Specific concentration limits: | None assigned |
| M factor: | Not applicable |
| Concentration: | <1.5% |
| H Statements: | H413 |
| Categories: | Aquatic Chronic 4 |

3.2.4 Thiophene, tetrahydro-,1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich

| | |
|---|---|
| CAS Number: | Not available |
| EC Number: | 800-172-4 |
| REACH Registration Number: | 01-2119969520-35 |
| Index No.: | Not applicable |
| Specific concentration limits: | None assigned |
| M factor: | Not applicable |
| Concentration: | <2% |
| H Statements: | H411 |
| Categories: | Aquatic Chronic 2 |

3.2.5 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

| | |
|---|---|
| CAS Number: | 1218787-32-6 |
| EC Number: | 620-540-6 |
| REACH Registration Number: | 01-2119510877-33 |
| Index No.: | Not applicable |
| Specific concentration limits: | None assigned |
| M factor: | 10 (Acute), 1 (Chronic) |

## SECTION 3: Composition/information on ingredients (....)

| | |
|---|---|
| Concentration: | <0.2% |
| H Statements: | H302, H314, H318, H400, H410 |
| Categories: | Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1 |

3.2.6 Dimantine.

| | |
|---|---|
| CAS Number: | 124-28-7 |
| EC Number: | 204-694-8 |
| REACH Registration Number: | 01-2119486676-20 |
| Index No.: | Not applicable |
| Specific concentration limits: | None assigned |
| M factor: | 10 (Acute), 1 (Chronic) |
| Concentration: | <0.2% |
| H Statements: | H302, H314, H318, H400, H410 |
| Categories: | Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1 |

3.2.7 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine

| | |
|---|---|
| CAS Number: | Not available |
| EC Number: | 939-485-7 |
| REACH Registration Number: | 01-2119974116-35 |
| Index No.: | Not applicable |
| Specific concentration limits: | None assigned |
| M factor: | 100 (Acute), 1 (Chronic) |
| Concentration: | <0.1% |
| H Statements: | H302, H314, H318, H400, H410 |
| Categories: | Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1 |

## SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

4.1.2 Contact with eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses (if easy to do so). Get medical attention.

4.1.3 Contact with skin

Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

## SECTION 4: First aid measures (....)

4.1.4 Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Ingestion

May cause gastro-intestinal disturbances

4.2.2 Contact with eyes

May cause redness and irritation

4.2.3 Contact with skin

May cause redness and irritation

4.2.4 Inhalation

May cause irritation

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment should be symptomatic and directed to relieving any effects.

## SECTION 5: Firefighting measures

5.1 Extinguishing media

- Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.
  Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

- If heated or in cases of fire, pressure in a vessel will increase and container may burst.
- Combustion products may include: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide), metal oxide/ oxides, phosphorous oxides and sulphur oxides (SO, SO2, etc..)

5.3 Advice for firefighters

- Promptly isolate and secure the scene, remove all unnecessary and untrained persons from the vicinity if there is a fire.
  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
  Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European Standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

Spillage causes slippery surface

6.1 Personal precautions, protective equipment and emergency procedures

## SECTION 6: Accidental release measures (....)

- Stop any leak if it is safe to do so.
- Absorb with sand or other inert absorbent. Collect in containers and seal securely.
- Adopt best manual handling considerations when handling, carrying and dispensing.
- Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

6.2 Environmental precautions

- Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.
- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Stop any leak if it is safe to do so.
- Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
- Dispose of in compliance with all local and national regulations.

6.4 Reference to other sections

- See Section 1 for emergency contact information.
  See Section 5 for firefighting measures.
  See Section 8 for information on appropriate personal protective equipment.
  See Section 12 for environmental precautions.
  See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use appropriate personal protective equipment.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Avoid release to the environment.
- Dispose of contents and/or container in accordance with local/ national regulations.

7.2 Conditions for safe storage, including any incompatibilities

- Store in accordance with local regulations.
- Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3 Specific end use(s)

- The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substances

## SECTION 8: Exposure controls/personal protection (....)

| Chemical Name | WEL (short term) | WEL (long term) | STEL | WEL |
|---|---|---|---|---|
| Very highly refined mineral base oils | - mg/m³ (UK) | 5 mg/m³ (UK) | - mg/m³ (IE) | 5 mg/m³ (IE) |

- If this product contains ingredients with exposure limits, personal and/or workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Substances

| Chemical Name | DNEL (Industry; inhalational, long term systemic effects) | DNEL (Industry; dermal, long term systemic effects) | DNEL (Industry; oral, long term systemic effects) |
|---|---|---|---|
| Thiophene, tetrahydro-,1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | 24.7 mg/m³ | 350 mg/kg bw/day | - mg/kg bw/day |
| Dimantine | 1 mg/m³ | - mg/kg bw/day | - mg/kg bw/day |
| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol | 2.112 mg/m³ | 0.3 mg/kg bw/day | - mg/kg bw/day |
| 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine | 4.9 mg/m³ | 0.7 mg/kg bw/day | - mg/kg bw/day |

Substances

| Chemical Name | DNEL (Consumer; inhalational, long term systemic effects) | DNEL (Consumer; dermal, long term systemic effects) | DNEL (Consumer; oral, long term systemic effects) |
|---|---|---|---|
| Thiophene, tetrahydro-,1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | 4.35 mg/m³ | 125 mg/kg bw/day | 2.5 mg/kg bw/day |
| Dimantine | - mg/m³ | - mg/kg bw/day | 0.5 mg/kg bw/day |
| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol | 0.745 mg/m³ | 0.214 mg/kg bw/day | 0.214 mg/kg bw/day |

## SECTION 8: Exposure controls/personal protection (....)

| | | | |
|---|---|---|---|
| 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine | 0.74 mg/m³ | 0.25 mg/kg bw/day | 0.25 mg/kg bw/day |

8.2 Exposure controls

- A full risk assessment should be undertaken before handling this material.


- Engineering Controls
- Appropriate Engineering Control:
  All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled.
  Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
  No special requirements under ordinary conditions of use and with adequate ventilation.
- Eye Protection:
  If contact is likely, safety glasses are recommended.
- Hand Protection
- As specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled and the conditions of work and use. Recommended: Nitrile or other suitable glove. Breakthrough time represents how long a glove can be expected to provide effective permeation resistance. Always consult with your glove supplier for up-to-date technical information on breakthrough.
- Skin and Body Protection
  Wear appropriate clothing as protection against splashing.
  In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
- 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 and protective equipment to remove contaminants.
- Respiratory Protection
  No Special requirements under ordinary conditions of use and with adequate ventilation.

## SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Amber
- Physical state: Liquid
- Odour: Characteristic odour
- Density: 0.85 at 15°C
- Viscosity: 28 cSt @ 40 °C
- Freezing point/Range: <-40 °C
- Boiling Point/Range: 350-600°C

## SECTION 9: Physical and chemical properties (....)

- Flashpoint: >200°C
- Autoignition Temperature: No information available
- Solubility in water: Immiscible with water

9.2 Other information

- Not applicable

## SECTION 10: Stability and reactivity

10.1 Reactivity

- No specific test data available for this product. Refer to, conditions to avoid and incompatible material sections for additional information.

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- None under normal processing.
- Hazardous polymerisation does not occur.

10.4 Conditions to avoid

- Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

- Reactive or incompatible with the following materials: oxidizing materials.

10.6 Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: Toxicological information

11.1 Information on toxicological effects

Substances

| **Chemical Name** | **$LC_{50}$ (inhalation, rat)** | **$LD_{50}$ (dermal, rabbit)** | **$LD_{50}$ (oral, rat)** |
|---|---|---|---|
| Very highly refined mineral oil | >5.53 mg/l | >2000 mg/kg bw | 5000 mg/kg bw |

11.1.1 Contact with eyes

May cause redness and irritation

## SECTION 11: Toxicological information (....)

11.1.2 Contact with skin

May cause defatting of the skin. May cause skin dryness and irritation.

11.1.3 Ingestion

May cause gastro-intestinal disturbances

11.1.4 Inhalation

May cause irritation

11.2 Information on other hazards

- Not applicable

## SECTION 12: Ecological information

12.1 Toxicity

- Harmful to aquatic life with long lasting effects.

Substances

| Chemical Name | $LC_{50}$ (fish) | $EC_{50}$ (daphnia) | $IC_{50}$ (algae) |
|---|---|---|---|
| Thiophene, tetrahydro-,1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | 2.4 mg/l (96 hr) | 4.6 mg/l (48 hr) | 63 mg/l (72 hr) |
| Dimantine | 0.26 mg/l (96 hr) | 0.0558 mg/l (48 hr) | 0.0165 mg/l (72 hr) |
| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol | 0.1 mg/l (96 hr) | 0.043 mg/l (48 hr) | 0.0867 mg/l (72 hr) |
| 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine | 2.14 mg/l (96 hr) | 1 mg/l (48 hr) | 0.083 mg/l (72 hr) |

12.2 Persistence and degradability

- No data available.

12.2.1 Very highly refined mineral oil

Not readily biodegradable

12.2.2 Very highly refined mineral base oils

Not readily biodegradable

12.2.3 Thiophene, tetrahydro-,1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich

Readily biodegradable.

12.2.4 Dimantine

## SECTION 12: Ecological information (....)

Readily biodegradable.

12.2.5 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

Readily biodegradable.

12.2.6 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine

Readily biodegradable.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in soil

- Immiscible with water.

12.5 Results of PBT and vPvB assessment

- This product does not contain any PBT or vPvB substances.

12.5.1 Very highly refined mineral oil

Not Classified as PBT/vPvB by current EU criteria.

12.5.2 Dimantine

Not Classified as PBT/vPvB by current EU criteria.

12.5.3 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

Not Classified as PBT/vPvB by current EU criteria.

12.5.4 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine

Not Classified as PBT/vPvB by current EU criteria.

12.6 Endocrine disrupting properties

- Not applicable

12.7 Other adverse effects

- Spillages may form an oil layer on water surfaces causing physical damage to organisms. Oxygen transfer may also be impaired.

## SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of in compliance with all local and national regulations.

13.2 Classification

- This material and its containers must be disposed of as controlled waste. Dispose of waste via a licensed waste disposal contractor.

## SECTION 13: Disposal considerations (....)

- EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

## SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: Not regulated.

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable.

14.3 Transport hazard class(es)

- Hazard Class: Not applicable.

14.4 Packing group

- Packing Group: Not applicable.

14.5 Environmental hazards

- Not classified.

14.6 Special precautions for user

- Not available.

14.7 Maritime transport in bulk according to IMO instruments

- Not available.

## SECTION 15: Regulatory information

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

- Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

## SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H319: Causes serious eye irritation. 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. H413: May cause long lasting harmful effects to aquatic life.

Disclaimer

## SECTION 16: Other information (....)

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process

--- end of safety datasheet ---