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

1.1 Product identifier

- Product Name: TOP ATF MB PLUS
- Product Part Number: TO25065

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

- Use of the substance/mixture: Automotive 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:
- Address of Supplier: Falzol/Top Lubricants
  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: Not classified

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).
Contains Reaction products of amines, dicoco alkyl and glycollic acid. 1-(tert-dodecylthio)propan-2-ol. 3-(dicocoalkylamino)-1,2-propanediol. 2-tetradecyloxirane, reaction products with boric acid. Benzene, polypropene derivatives, sulfonated, calcium salts. May produce an allergic reaction (EUH208).

2.2.2 Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection (P280).
Take off contaminated clothing and wash it before reuse (P362+P364).
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 oil

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:	<90%
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-

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

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

CAS Number:	Not applicable
EC Number:	800-172-4
REACH Registration Number:	01-2119969520-35
Index No.:	Not applicable
M factor:	Not applicable
Concentration:	<1.5%
H Statements:	H411
Categories:	Aquatic Chronic 2

3.2.3 Reaction products of diphenylamine with nonene, branched

CAS Number:	Not applicable
EC Number:	701-385-4
REACH Registration Number:	01-2119488911-28
Index No.:	Not applicable
Specific concentration limits:	None assigned
M factor:	Not applicable
Concentration:	<1.5%
H Statements:	H412
Categories:	Aquatic Chronic 3

3.2.4 Reaction products of amines, dicoco alkyl and glycollic acid

CAS Number:	Not applicable
EC Number:	471-920-1
REACH Registration Number:	[Confidential]
Index No.:	Not applicable
Specific concentration limits:	Skin Sens. 1B ≥9.4
M factor:	Not applicable
Concentration:	<1%
H Statements:	H317
Categories:	Skin Sens. 1B

3.2.5 1-(tert-dodecylthio)propan-2-ol

CAS Number:	67124-09-8
EC Number:	266-582-5
REACH Registration Number:	01-2119953277-30
Index No.:	Not applicable

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

Specific concentration limits:	Skin Sens. 1B ≥14.2 <100
M factor:	1
Concentration:	<1%
H Statements:	H317, H400, H410
Categories:	Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1

3.2.6 3-(dicocoalkylamino)-1,2-propanediol

CAS Number:	Not applicable
EC Number:	482-000-4
REACH Registration Number:	01-0000020142-86
Index No.:	Not applicable
Specific concentration limits:	None assigned
M factor:	Not applicable
Concentration:	<1%
H Statements:	H317, H412
Categories:	Skin Sens. 1B; Aquatic Chronic 3

3.2.7 Dibutyl phosphonate

CAS Number:	1809-19-4
EC Number:	217-316-1
REACH Registration Number:	01-2119967767-15
Index No.:	Not applicable
Specific concentration limits:	None assigned
M factor:	Not applicable
Concentration:	<1%
H Statements:	H315, H319, H412
Categories:	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3

3.2.8 2-tetradecyloxirane, reaction products with boric acid

CAS Number:	Not applicable
EC Number:	701-392-2
REACH Registration Number:	01-2119976364-28
Index No.:	Not applicable
Specific concentration limits:	None assigned
M factor:	Not applicable
Concentration:	<0.5%
H Statements:	H317
Categories:	Skin Sens. 1B

3.2.9 Benzene, polypropene derivatives, sulfonated, calcium salts

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

CAS Number:	Not applicable
EC Number:	Not applicable
REACH Registration Number:	Polymer
Index No.:	Not applicable
Specific concentration limits:	Skin Sens. 1B, >10 - 100%
M factor:	Not applicable
Concentration:	<0.5%
H Statements:	H317
Categories:	Skin Sens. 1B

3.2.10 Methyl-1H-Benzotriazole

CAS Number:	29385-43-1
EC Number:	249-596-6
REACH Registration Number:	01-2119979081-35
Index No.:	Not applicable
Specific concentration limits:	None assigned
M factor:	Not applicable
Concentration:	<0.5%
H Statements:	H302, H361, H411
Categories:	Acute Tox. 4, Repr. 2, Aquatic Chronic 2

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.

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

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

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

Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

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

- 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.

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

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.
- 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

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

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

- 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
1-(tert-dodecylthio)propan-2-ol	11.8 mg/m³	3.34 mg/kg bw/day	- mg/kg bw/day
Dibutyl phosphonate	49 mg/m³	7 mg/kg bw/day	- mg/kg bw/day
Methyl-1H-Benzotriazole	21.2 mg/m³	0.3 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
1-(tert-dodecylthio)propan-2-ol	2.9 mg/m³	1.67 mg/kg bw/day	0.84 mg/kg bw/day
Dibutyl phosphonate	8.75 mg/m³	2.5 mg/kg bw/day	2.5 mg/kg bw/day
Methyl-1H-Benzotriazole	0.035 mg/m³	0.01 mg/kg bw/day	0.01 mg/kg bw/day

8.2 Exposure controls

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

- Engineering Controls

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

- 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: 6 cSt @ 100 °C
- Freezing point/Range: <-35°C
- Boiling Point/Range: >350 - 600°C
- Flashpoint: >180°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

SECTION 10: Stability and 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

- No data available.

Substances

Chemical Name	**LC_{50} (inhalation, rat)**	**LD_{50} (dermal, rabbit)**	**LD_{50} (oral, rat)**	**LD_{50} (skin, rat)**
3-(dicocoalkylamino)-1,2-propanediol	- mg/l	>2000 mg/kg bw	>2500 mg/kg bw	- mg/kg bw
2-tetradecyloxirane, reaction products with boric acid	- mg/l	- mg/kg bw	>16000mg/kg bw	>2000 mg/kg bw
Reaction products of amines, dicoco alkyl and glycollic acid	- mg/l	>2000 mg/kg bw	>2500 mg/kg bw	- mg/kg bw
1-(tert-dodecylthio)propan-2-ol	- mg/l	2000 mg/kg bw	>5000 mg/kg bw	- mg/kg bw
3-(dicocoalkylamino)-1,2-propanediol	- mg/l	>2000 mg/kg bw	>2500 mg/kg bw	- mg/kg bw

11.1.1 Contact with eyes

May cause redness and irritation

11.1.2 Contact with skin

SECTION 11: Toxicological information (....)

Repeated exposure may cause skin dryness or cracking
This material is not expected to cause an allergic skin reaction.

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)
1-(tert-dodecylthio)propan-2-ol	0.75 mg/l (96 hr)	0.58 mg/l (48 hr)	>100 mg/l (72 hr)

12.2 Persistence and degradability

- Expected to be inherently biodegradable.

12.2.1 Very highly refined mineral oil

Not readily biodegradable

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

Not readily biodegradable

12.2.3 1-(tert-dodecylthio)propan-2-ol

Not readily biodegradable

12.2.4 2-tetradecyloxirane, reaction products with boric acid

Not biodegradable.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in soil

SECTION 12: Ecological information (....)

- Immiscible with water.

12.5 Results of PBT and vPvB assessment

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

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.
- 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. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H361: Suspected of damaging fertility or the unborn child. 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.

Disclaimer

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 ---