Safety Data Sheet

Optimoil ATF Dexron II

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

1.1 Product idenfier
- Product Name: OptimOil ATF dexron II
- Product Part Number: 1325

1.2 Relevant idenfied uses of the substance or mixture and uses advised against
- Use of the substance/mixture: Automove Gear and Transmission Oil
- Use advised against: Do not use in any other applicaon

1.3 Details of the supplier of the safety data sheet

Company name: Optimoil Limited
Church View Farm
Kelsall Road
Ashton
CH3 8BH
Tel: +44(0) 124 439 0528
Email: sales@optimoil.co.uk

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- CLP: Not classified

2.2 Label elements
- Signal Word: Not classified

SECTION 2: Hazards identification (....)

2.2.1 Hazard statements
Not classified as hazardous
Contains Amines, C12-14-tert-alkyl, Sulphonic acid, petroleum, calcium salt, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.

2.2.2 Precautionary statements
Keep out of reach of children
Dispose of contents and/or container in accordance with local/ naonal regulaons (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 2,6-di-tert-butyl-p-cresol
CAS Number: 128-37-0
EC Number: 204-881-4
REACH Registration Number: 01-2119565113-46
Index No.: Not applicable
Specific concentration limits: None assigned
M factor: Not applicable
Concentration >0.08 -<0.2%
H Statements: H410
Categories: Aquatic Chronic

1 3.2.2 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: 55 –
Contains a mixture of petroleum derived mineral oils that contain <3% DMSO according to IP346
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/ 64741-88-4, 265-090-8, RRN 01-2119488706-23, 649-454-00-7/, 64741-89-5, 265-091-3, RRN 01-119487067-30/ 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/ 64742-45-6, 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/ 64742-56-9, 265-159-2, RRN 01-2119480132-48, 649-469-00-9/ 64742-57-0, 265-160-8/ 01

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

4.2.1 Inhalaon May cause irritaon

4.2.2 Ingeson May cause nausea/voming May cause diarrhoea

4.2.3 Contact with skin May cause redness and irritaon

4.2.4 Contact with eyes May cause irritaon4.3 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 facepiece 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.

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.

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.

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
- 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	WEL (short term)	WEL (long term)	STEL	WEL
Very highly refined mineral oil		5mg/m3		5 mg/m3 (IE)
2,6-di-tert-butyl-p-cresol		10 mg/m³		2 mg/m³ (IE)

Highly refined mineral oil		5 mg/m³		5 mg/m³ (IE)

Substances

Chemical Name	**DNEL (Industry; dermal, long term systemic effects)**	**DNEL (Industry; oral, long term systemic effects)**	**DNEL (Industry; inhalational, long term systemic effects)**
2,6-di-tert-butyl-p-cresol	1.76 mg/m³	0.5 mg/kg bw/day	
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	1.98 mg/m3	5.71 mg/kg bw/day	0.24 mg/kg bw/day
Very highly refined mineral oil			0.74 mg/kg bw/day
2,6-di-tert-butyl-p-cresol	0.435 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 _me 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

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

- Appearance: Red
- Physical state: Liquid
- Odour: Characteristic.
- Density: 0.84 at 15°C
- Viscosity: 37 cSt @ 40 °C
- Freezing point/Range: ≥35°C
- Boiling Point/Range: ≥300°C
- Flashpoint: >180°C
- Autoignition Temperature: NA

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

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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)	LD_{50} (skin, rat)
2,6-di-tert-butyl-p-cresol			>6000 mg/kg bw	>2000 mg/kg bw
Very highly refined mineral oil	>5.53 mg/l	>2000 mg/kg bw	>5000 mg/kg bw	
Highly refined mineral oil	>5.53 mg/l	>2000 mg/kg bw	>5000 mg/kg bw	

SECTION 11: Toxicological information (....)

- Inhalation may cause irritation to the respiratory tract.
- Ingestion: May cause nausea and diarrhoea.
- Skin contact: Defatting to the skin. May cause skin dryness and irritation.
- Eye contact: No known significant effects or critical hazards.
- No other specific data and information available.

11.2 Information on other hazards

General: USED ENGINE OILS
Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.

SECTION 12: Ecological information

12.1 Toxicity
- not classified as dangerous

Chemical Name	LC_{50} (fish)	EC_{50} (daphnia)	IC_{50} (algae)
2,6-di-tert-butyl-p-cresol	>0.57 mg/l (96 hr)	>0.48 mg/l (48 hr)	>0.4 mg/l (72 hr)

12.2 Persistence and degradability
- Not readily biodegradable.

12.2.1 Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased
Not readily biodegradable..

12.2.2 Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts
Not readily biodegradable.

12.2.3 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts
Not readily biodegradable

12.2.4 Base oil mixture
Not readily biodegradable

12.3 Bioaccumulative potential
- The product has limited potential for bioaccumulation. The product is not expected to bioaccumulate through food chains in the environment.

12.4 Mobility in soil
- Spillages may penetrate the soil causing ground water contamination.
- Immiscible with water.

12.5 Results of PBT and vPvB assessment

12.5.1 Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased
Not Classified as PBT/vPvB by current EU criteria.

12.5.2 Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts
Not Classified as PBT/vPvB by current EU criteria.

12.5.3 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts
Not Classified as PBT/vPvB by current EU criteria.

12.5.4 Highly refined mineral oil
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.
- 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.
- Where possible, arrange for product to be recycled.

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: - H304: May be fatal if swallowed and enters airways. H410: Very toxic 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