

Created: 25 Jun 2024

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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Product Name: VHPD 5W-30 FE
- Product Part Number: HDD047

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

- Use of the substance/mixture: Engine 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: Aztec Oils Ltd
- Address of Supplier: Intake Road,  
Bolsover Business Park,  
Bolsover,  
Derbyshire,  
S44 6BB, UK
- Telephone: +44 (0)1246 823007  
Monday-Thursday 08:00 - 17:00  
Friday 08:00 - 16:00, GMT/BST
- Email: Technical@aztecoils.co.uk
- Name of Supplier: Aztec Oils Europe BV
- Address of Supplier: Centraleweg 11-E  
4931 NA  
Geertruidenberg  
THE NETHERLANDS
- Telephone: +31 (0)162-51 93 95  
Monday - Friday 08:30 - 17:00
- Email: Info@aztecoilseurope.nl

#### 1.4 Emergency telephone number

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

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### 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

Contains 2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide, Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol, Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts, Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated. May produce an allergic reaction (EUH208).

### 2.2.2 Precautionary statements

Not Classified

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 does not contain any PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### 3.2.1 Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

CAS Number:	125643-61-0
EC Number:	406-040-9
REACH Registration Number:	01-2119830067-43
Index No.:	607-530-00-7
Specific Concentration Limits:	Not assigned.
M factor, acute:	Not applicable.
M factor, chronic:	Not applicable.
Concentration:	<4%
H Statements:	H413
Categories:	Aquatic Chronic 4

#### 3.2.2 2,5-Furandione, polymer with 1-hexadecene, methyloxirane polymer with oxirane bis (2-aminopropyl) ether and 2-methyl-1-propene, 4-(phenylamino)phenyl imide

CAS Number:	873694-48-5
EC Number:	681-947-2
REACH Registration Number:	Not available or not currently required for registration under REACH.
Index No.:	Not applicable.
Specific Concentration Limits:	C≥2.51%
M factor, acute:	Not applicable.
M factor, chronic:	Not applicable.
Concentration:	<2.2%

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

H Statements: H317, H413  
Categories: Skin Sens. 1, Aquatic Chronic 4

**3.2.3 Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol**

CAS Number: 1428353-74-5  
EC Number: 806-731-9  
REACH Registration Number: 01-2120067755-46  
Index No.: Not applicable.  
Specific Concentration Limits: None assigned  
M factor, acute: Not applicable.  
M factor, chronic: Not applicable.  
Concentration: <1.0%  
H Statements: H317, H319, H411  
Categories: Skin Sens. 1B, Eye Irrit. 2, Aquatic Chronic 2

**3.2.4 Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts**

CAS Number: 722503-68-6  
EC Number: 682-816-2  
REACH Registration Number: Not available or not currently required for registration under REACH.  
Index No.: Not applicable.  
Specific Concentration Limits: H317 ≥2%  
M factor, acute: Not applicable.  
M factor, chronic: Not applicable.  
Concentration: <1%  
H Statements: H317, H413  
Categories: Skin Sens. 1B, Aquatic Chronic 4

**3.2.5 Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated**

CAS Number: Not applicable.  
EC Number: 953-650-0  
REACH Registration Number: Not available or not currently required for registration under REACH.  
Index No.: Not applicable.  
Specific Concentration Limits: H361 ≥17.15%; H317 ≥2%  
M factor, acute: Not applicable.  
M factor, chronic: Not applicable.  
Concentration: 24 - <40%  
H Statements: H317, H361  
Categories: Skin Sens. 1B, Repr. 2

**3.2.6 Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil based**

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

CAS Number:	Various see below
EC Number:	Various see below
REACH Registration Number:	Various see below
Index No.:	Various see below
Specific Concentration Limits:	Not assigned.
M factor, acute:	Not applicable.
M factor, chronic:	Not applicable.
Concentration:	<85%
H Statements:	Not applicable
Categories:	Not Classified

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/ 64741-76-0, 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/ 64742-46-7, 265-148-2, RRN 01-2119489867-12, 649-221-00-X/ 64742-47-8, 265-149-8, RRN 01-2119484819-18, 649-422-00-2/ 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, RRN 01-2119489287-22/, 64741-88-4, 265-090-8, RRN 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, RRN 01-2119486452-34 /, 111-66-0, 203-893-7, RRN 01-2119486877-14, 01-2119409094-47 / 70693-43-5, 813-310-3/ 72623-85-9, 276-736-3, RRN 01-211955262-43/ 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, RRN 01-2119487078-27.

## 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

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

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 Inhalation

May cause irritation.

#### 4.2.2 Ingestion

May cause gastro-intestinal disturbances.

#### 4.2.3 Contact with skin

May cause redness and irritation.

#### 4.2.4 Contact with eyes

May cause redness and irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

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

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## 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, CO<sub>2</sub>) (carbon monoxide, carbon dioxide), metal oxide/ oxides, phosphorous oxides and sulphur oxides (SO, SO<sub>2</sub>, 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.

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## SECTION 6: Accidental release measures

### Spillage causes slippery surface

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Stop leak, if safe to do so.
- Absorb with sand or other inert absorbent. Collect in containers and seal securely.

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

- 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 allow product to enter drains. Prevent further spillage if safe. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

- Stop leak, if 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.

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## 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.

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## 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

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

Chemical Name	WEL (short term)	WEL (long term)
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil based	- mg/m <sup>3</sup> (UK) - mg/m <sup>3</sup> (IE)	5 mg/m <sup>3</sup> (UK) 5 mg/m <sup>3</sup> (IE)

### Substances

Chemical Name	DNEL (Industry; inhalational, long term systemic effects)	DNEL (Industry; dermal, long term systemic effects)	DNEL (Industry; oral, long term systemic effects)
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol	0.8 mg/m <sup>3</sup>	1.1 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)
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol	0.2 mg/m <sup>3</sup>	0.6 mg/kg bw/day	0.1 mg/kg bw/day

### 8.2 Exposure controls

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



- Engineering Controls
- All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

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

- Eye Protection:  
If contact is likely, safety glasses are recommended.
- Hand protection:  
Because specific work environments and material handling practices vary, safety procedures should be developed for each application. The right choice of protective gloves depends on the chemicals used and the working conditions and use.  
Recommended: Nitrile or alternative suitable gloves. "Breakthrough time" shows how long the gloves can have effective resistance. Always consult with your glove supplier for the latest breakthrough technical information.
- 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, brown
- Physical state: Liquid
- Odour: Characteristic odour
- Density: 0.86 g/cm<sup>3</sup> at 15 °C
- Viscosity (kinematic): 12 cSt at 100 °C
- Freezing point/Range: No information available.
- Boiling Point/Range: 300 - 600°C
- Flashpoint: >200°C
- Autoignition Temperature: No information available.

### 9.2 Other information

- No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

### 10.2 Chemical stability

- Stable under normal temperature conditions and recommended use.

### 10.3 Possibility of hazardous reactions



## SECTION 10: Stability and reactivity (....)

- 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 experimental data available.

#### Substances

Chemical Name	LC <sub>50</sub> (inhalation, rat)	LD <sub>50</sub> (dermal, rabbit)	LD <sub>50</sub> (oral, rat)
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil based	>5.53 mg/l	>2000 mg/kg	>5000 mg/kg
Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	- mg/l	>2000 mg/kg	>2000 mg/kg
Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol	- mg/l	>2000 mg/kg	>2000 mg/kg

#### 11.1.1 Contact with eyes

May cause redness and irritation.

#### 11.1.2 Contact with skin

May cause redness and irritation.

#### 11.1.3 Ingestion

May cause gastro-intestinal disturbances.

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

### 11.1.4 Inhalation

May cause irritation.

### 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.

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## SECTION 12: Ecological information

### 12.1 Toxicity

- No experimental data available.

### 12.2 Persistence and degradability

- The product is not readily biodegradable.

#### 12.2.1 Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Not readily biodegradable.

#### 12.2.2 Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol

Biodegradable

#### 12.2.3 Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil based

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

- Not Classified as PBT/vPvB by current EU criteria.

#### 12.5.1 Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Not Classified as PBT/vPvB by current EU criteria.

#### 12.5.2 Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol

Not Classified as PBT/vPvB by current EU criteria.

#### 12.5.3 Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil based

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

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.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Dispose of in compliance with all local and national regulations.
- This material and its containers must be disposed of as hazardous waste. Dispose of waste via a licensed waste disposal contractor.

**13.2 Classification**

- For classification and assessment of waste, refer to technical guidance WM3 (Appendix A) or EWC (European Waste Catalogue) codes for hazardous and non-hazardous waste, where appropriate.

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**SECTION 14: Transport information****14.1 UN number or ID number**

- UN No.: Not applicable.

**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 applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

- Not applicable.

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## SECTION 15: Regulatory information

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

- This SDS has been compiled according to UK SI 2019/758 and EC 1272/2008 as amended in the UK.
- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

### 15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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## SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H361: Suspected of damaging fertility or the unborn child. H411: Toxic to aquatic life with long lasting effects. H413: May cause long lasting harmful effects to aquatic life.

### 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