

Revised: 29 Oct 2025

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: SUPREME OAT LL50
- Product Part Number: WIN005
- UFI: VQXE-QOCT-H003-KC2W

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

- Use of the substance/mixture: Antifreeze / coolant
- 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 number: 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: Acute Tox. 4, STOT RE 2

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SECTION 2: Hazards identification (....)

2.2 Label elements



- Signal Word: Warning

2.2.1 Hazard statements

Harmful if swallowed (H302).

May cause damage to organs through prolonged or repeated exposure (H373).

Contains: Ethane-1,2-diol

2.2.2 Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray (P260).

Wear protective gloves/protective clothing/eye protection/face protection (P280).

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310).

Rinse mouth (P330).

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 Ethane-1,2-diol

CAS Number:	107-21-1
EC Number:	203-473-3
REACH Registration Number:	01-2119456816-28
Index No.:	603-027-00-1
Specific Concentration Limits:	Not assigned.
M factor, acute:	Not applicable.
M factor, chronic:	Not applicable.
Concentration:	<50%
H Statements:	H302, H373
Categories:	Acute Tox. 4; STOT RE 2

SECTION 4: First aid measures

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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

Rinse mouth thoroughly with water (do NOT swallow). Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed**4.2.1 Ingestion**

Harmful if swallowed. The following symptoms may occur: Abdominal pain, Drowsiness, Dizziness, Nausea, Headache, Vomiting, Unconsciousness, Impairment of the nervous system, Liver and kidney injuries may occur.

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 respiratory irritation. The following symptoms may occur: Cough, Dizziness, Headache.

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.

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SECTION 5: Firefighting measures (....)

- Combustion products may include the following: carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO₂ 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.
- 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 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.
- Get medical advice/attention if you feel unwell.

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SECTION 7: Handling and storage (....)

- Dispose of contents and/or container in accordance with local/ national regulations (P501).

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.
- Store between the following temperatures: 5 to 40°C (41 to 104°F). Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Protect from freezing. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/containers designed for use with this product. Do not store in unlabelled 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)
Ethane-1,2-diol	40*** ppm (UK) 104*** mg/m ³ (UK)	20*** ppm (UK) 52*** mg/m ³ (UK) 10**** mg/m ³ (UK)

- *** Vapour
- **** Particles

Substances

Chemical Name	OEL (STEL)	OEL (TWA)
Ethane-1,2-diol	40* ppm (EU) 104* mg/m ³ (EU) 40* ppm (NO) 104* mg/m ³ (NO) 40*** ppm (IE) 104*** mg/m ³ (IE)	20* ppm (EU) 52* mg/m ³ (EU) 20* ppm (NO) 52* mg/m ³ (NO) 20*** ppm (IE) 52*** mg/m ³ (IE) 10**** mg/m ³ (IE)

- * total (vapour and particulates)

Substances

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

Chemical Name	DNEL (Industry; inhalational, long term systemic effects)	DNEL (Industry; dermal, long term systemic effects)	DNEL (Industry; oral, long term systemic effects)	DNEL (Industry; inhalational, long term local effects)
Ethane-1,2-diol	- mg/m ³	106 mg/kg bw/day	- mg/kg bw/day	35 mg/m ³

Substances

Chemical Name	DNEL (Consumer; inhalational, long term systemic effects)	DNEL (Consumer; dermal, long term systemic effects)	DNEL (Consumer; oral, long term systemic effects)	DNEL (Consumer; inhalational, long term local effects)
Ethane-1,2-diol	- mg/m ³	53 mg/kg bw/day	- mg/kg bw/day	7 mg/m ³

8.2 Exposure controls

- A full risk assessment should be undertaken before handling this material.
- Engineering Controls:
 - Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
- 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.
- Eye protection:
 - If contact is likely, safety glasses are recommended.
- Hand Protection:
 - The correct choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Most gloves provide protection for only a limited time before they must be discarded and replaced (even the best chemically resistant gloves will break down after repeated chemical exposures). Gloves should be chosen in consultation with the supplier / manufacturer and taking account of a full assessment of the working conditions.
 - Breakthrough time data are generated by glove manufacturers under laboratory test conditions and represent how long a glove can be expected to provide effective permeation resistance. It is important when following breakthrough time recommendations that actual workplace conditions are taken into account. Consult with your glove supplier for up-to-date 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 minimise 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:

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

- No special requirements under ordinary conditions of use and with adequate ventilation.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Red
- Physical state: Liquid
- Odour: Characteristic odour
- Density: 1.11 g/cm³ at 20 °C
- pH: 7.5-10 at 100 % concentration
- Solubility: Miscible with water
- Viscosity (kinematic): 21 cSt at 20 °C
- Freezing point/Range: No information available.
- Boiling Point/Range: >170 °C
- Flashpoint: >111°C (PMCC)
- Autoignition Temperature: >400 °C

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

- 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

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

- Incompatibility with other materials: Strong acids and oxidizing agents.

10.6 Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- When burned emits toxic fumes of carbon dioxide / carbon monoxide.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- Harmful if swallowed.

Substances

Chemical Name	LC ₅₀ (inhalation, rat)	LD ₅₀ (dermal, rabbit)	LD ₅₀ (oral, rat)	LD ₅₀ (dermal, mouse)
Ethane-1,2-diol	2.5 mg/l	- mg/kg	7712 mg/kg	>3500 mg/kg

- Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met).
- Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met).
- Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met).
- Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met).
- Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met).
- Carcinogenicity: Not classified (Based on available data, the classification criteria are not met).
- STOT-repeated exposure: May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).
- STOT-single exposure: Not classified (Based on available data, the classification criteria are not met).
- Aspiration hazard: Not classified (Based on available data, the classification criteria are not met).

11.2 Information on other hazards

- No information available.

SECTION 12: Ecological information**12.1 Toxicity**

- No experimental data available.

Substances

Chemical Name	EC ₅₀ (daphnia)	LC ₅₀ (fish)	IC ₅₀ (algae)
Ethane-1,2-diol	>100 mg/l (48 hr)	72860 mg/l (96 hr)	8590 mg/l (72 hr)

12.2 Persistence and degradability

- Readily biodegradable.

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SECTION 12: Ecological information (....)

12.2.1 Ethane-1,2-diol

Readily biodegradable.

12.3 Bioaccumulative potential

- No experimental data available.

12.3.1 Ethane-1,2-diol

No bioaccumulation potential.

Partition coefficient : n-Octanol/water -1.36

12.4 Mobility in soil

- Spillages may penetrate the soil causing ground water contamination.
- Miscible with water

12.5 Results of PBT and vPvB assessment

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

12.5.1 Ethane-1,2-diol

Not Classified as PBT/vPvB by current EU criteria.

12.6 Endocrine disrupting properties

- Not applicable.

12.7 Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of in compliance with all local and national regulations.
- Where possible, arrange for product to be recycled.

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.

SECTION 14: Transport information

14.1 UN number or ID number

- ADR UN No.: Not applicable.
- IMDG UN No.: Not applicable.
- ICAO UN No.: Not applicable.

14.2 UN proper shipping name

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SECTION 14: Transport information (....)

- Proper Shipping Name: Not applicable.

14.3 Transport hazard class(es)

- ICAO Hazard Class: Not applicable.
- IMDG Hazard Class: Not applicable.
- ADR/RID 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.

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

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H373: May cause damage to organs through prolonged or repeated exposure.

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