SAFETY DATA SHEET

ALPINE ANTIFREEZE BT - BLUE

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Revision No: 1c

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

1.1. Product identifier

Product name: ALPINE ANTIFREEZE BT - BLUE

Product code: 5359

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

1.3. Details of the supplier of the safety data sheet

Company name: Millers Oils Ltd
Hillside Oilworks
Rastrick Common
Brighouse
West Yorkshire
HD6 3DP
United Kingdom

Tel: +44 (0)1484 713201

Fax: +44 (0)1484 721263

Email: h.s@millersoils.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)1484 713201

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; STOT RE 2: H373

Most important adverse effects: Harmful if swallowed. May cause damage to organs [kidneys] through prolonged or repeated exposure [oral].

2.2. Label elements

Label elements:

Hazard statements: H302: Harmful if swallowed.
H373: May cause damage to organs [kidneys] through prolonged or repeated exposure [oral].

Hazard pictograms: GHS07: Exclamation mark
GHS08: Health hazard

[cont...]

Signal words: Warning

Precautionary statements: P260: Do not breathe vapour/spray.
P264: Wash contaminated skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330: Rinse mouth.
P501: Dispose of contents/container to a hazarous or special waste collection point.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHANEDIOL; ETHYLENE GLYCOL - REACH registered number(s): 01-2119456816-28-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-473-3	107-21-1	-	STOT RE 2: H373; Acute Tox. 4: H302	>90%

DIPOTASSIUM TETRABORATE

215-575-5	12045-78-2	-	Repr. 2: H361d	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting.

Inhalation: No symptoms.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

[cont...]

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

[cont...]

DNEL/PNEC Values

Hazardous ingredients:

ETHANEDIOL; ETHYLENE GLYCOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	35 mg/m3	Workers	Local
DNEL	Dermal	106 mg/kg	Workers	Systemic
DNEL	Inhalation	7 mg/m3	Consumers	Local
DNEL	Dermal	53 mg/kg	Consumers	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Nitrile gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: Odourless

Evaporation rate: No data available.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: 8.4 (50%)

Flammability limits %: lower: No data available.

Flash point°C: 111

Autoflammability°C: >400

Relative density: 1.13

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

[cont...]

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	-	-	531	mg/kg

Hazardous ingredients:

ETHANEDIOL; ETHYLENE GLYCOL

DERMAL	RAT	LD50	10600	mg/kg
DERMAL	RBT	LD50	>3500	-
ORAL	RAT	LD50	7712	mg/kg

DIPOTASSIUM TETRABORATE

DERMAL	RBT	LD50	2000-5000	mg/kg
ORAL	RAT	LD50	3690	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting.

Inhalation: No symptoms.

[cont...]

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ETHANEDIOL; ETHYLENE GLYCOL

Daphnia magna	48H EC50	46300	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	41000	mg/l

DIPOTASSIUM TETRABORATE

Daphnia magna	96H LC50	133	mg/l
FISH	96H LC50	80-627	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

[cont...]

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Conforms to regulation (EC) No 1907/2006 (REACH)

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H361d: Suspected of damaging the unborn child.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.