



**SAFETY DATA SHEET**  
ALPINE ANTIFREEZE BT-BLUE 50%

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Compilation date: 06/06/2008

Revision date: 16/06/2017

Revision No: 1b

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

**1.1. Product identifier**

**Product name:** ALPINE ANTIFREEZE BT-BLUE 50%

**Product code:** 5574

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

**Use of substance / mixture:** Antifreeze

**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](mailto: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

**Most important adverse effects:** Harmful if swallowed.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.

**Signal words:** Warning

**Hazard pictograms:** GHS07: Exclamation mark



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**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.  
P330: Rinse mouth.  
P501: Dispose of container to an authorised waste disposal company.

### 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:

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

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-473-3	107-21-1	-	Acute Tox. 4: H302	50-70%

DISODIUM TETRABORATE PENTAHYDRATE - REACH registered number(s): 01-2119490790-32-XXXX

215-540-4	12179-04-3	-	Repr. 1B: H360FD	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.  
**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. Nausea and stomach pain may occur. There may be vomiting.  
**Inhalation:** No symptoms.

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

**Immediate / special treatment:** In all cases of doubt, or when symptoms persist, seek medical attention.

## 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.

[cont...]

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**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. 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:** Avoid the formation or spread of mists in the air. 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**

**Hazardous ingredients:**

**ETHYLENE GLYCOL**

**Workplace exposure limits:**

**Respirable dust**

State	Workplace exposure limits		Respirable dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	52 mg/m <sup>3</sup>	104 mg/m <sup>3</sup>	-	-

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**DNEL/PNEC Values**

**DNEL / PNEC:** No data available.

**8.2. Exposure controls**

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. 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:** Barely perceptible odour

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** >100

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

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 1.075

**pH:** No data available.

**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.

**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:** None known

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**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents.

**10.6. Hazardous decomposition products**

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

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**ETHYLENE GLYCOL**

IVN	RAT	LD50	3260	mg/kg
ORL	MUS	LD50	5500	mg/kg
ORL	RAT	LD50	4700	mg/kg

**Relevant hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	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. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** No symptoms.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** Expected to be inherently biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Not expected to bioaccumulate.

**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.

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**12.6. Other adverse effects**

**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**

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

H360FD: May damage fertility. May damage the unborn child.

**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.