

SAFETY DATA SHEET

ACCORDING TO REGULATIONS 1907/2006 (REACH); 1272/2008 & 453/2010 (CLP);
Commission Regulation (EU) No 830/2015

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

1.1	Product identifier	Trade name: BoilerMag BMZero Inhibited Antifreeze 5L EAN13: 5012095617495
1.2	Relevant identified uses of the substance or mixture and uses advised against	Domestic central heating additive (combined frost protection with scale and corrosion inhibitor) Not suitable for use in PRIMATIC single feed cylinders
1.3	Details of the supplier of the safety data sheet	Eclipse Magnetics Atlas Way, Atlas North, Sheffield, S4 7QQ, England Telephone: +44 (0) 114 225 0600 Fax: +44 (0) 114 225 0610 Email: nparlett@eclipsemagnetics.com National Contact: Nick Parlett
1.4	Emergency telephone number	0845 880 60 50 Only available during office hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1	Classification according to regulation (EC) No 1272/2008 (CLP)	NC Not Classified
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2.2 Label elements

2.2.1 According to regulation (EC) 1272/2008 & 453/2010 (CLP)

Hazard pictograms	None
Signal words	None
Hazard statements	NC Not Classified
Precautionary statements	P102 Keep out of reach of children P501 Dispose of contents/container in accordance with national regulations

2.2.3 According to Article 25 of CLP

Supplemental information on the label	EUH210 Safety data sheet available on request
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SECTION 3: Composition/information on ingredients

Product definition: Mixture

3.1 Substance

Name	Index number in CLP Annex VI	Weight %
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3.2 Mixture

CAS no	EC No	%w/w	Name	(EC) No1272/2008 classification
57-55-6	200-338-0	90-95	Propane-1,2-diol*	NC Not Classified

* Substance with National work place exposure limits: see section 8

Additional information: For full text of H-statements: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes	Low toxicity, not generally irritating to the skin, however as a general precaution avoid prolonged contact with the product
Following inhalation	Remove to fresh air. Treat any irritations symptomatically. If necessary consult a doctor
Following skin contact	Wash off immediately with plenty of soap and water
Following eye contact	Irrigate with cool water for at least 15 minutes
Following ingestion	DO NOT INDUCE VOMITING. Rinse with copious amounts of water. Drink 2 glasses of water. Seek medical attention
Self-protection of the first aider	Wear protective clothing as detailed in section 8.

4.2 Most important symptoms and effects, both acute and delayed

May cause eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

If you feel unwell seek medical advice immediately

SECTION 5: Fire-fighting measures

5.1	Extinguishing media	This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
5.2	Special hazards arising from the substance or mixture	Oxides of carbon, nitrogen and sodium
5.3	Advice for firefighters	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1	Personal precautions, protective equipment and emergency procedures	Wear protective clothing as detailed in section 8.
6.2	Environmental precautions	Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body.
6.3	Methods and material for containment and cleaning up	Absorb spillages into sand, earth or any suitable absorbent material. Wash spill area with soapy water.
6.4	Reference to other sections	Wear protective clothing as detailed in section 8.

SECTION 7: Handling and storage

7.1	Precautions for safe handling	Avoid spilling, skin and eye contact.
7.2	Conditions for safe storage, including any incompatibilities	Store in tightly closed original container in a dry, cool and well-ventilated place. Do not store above 40°C Freezing point -50°C
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

Propane-1,2-diol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates

8.2 Exposure controls

8.2.1	Appropriate engineering controls	Provide adequate ventilation. Avoid spilling, skin and eye contact.	
8.2.2	Personal protection	 Goggles giving complete protection to eyes (EN166)	 Protective gloves (nitrile rubber) (EN374)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear / Straw
Odour	Mild aromatic
pH	8.2
Relative density	1.04
Solubility (water)	Soluble in cold and hot water

9.2 Other information

No data

SECTION 10: Stability and reactivity

10.1	Reactivity	No information available
10.2	Chemical stability	Stable under normal conditions of use and storage
10.3	Possibility of hazardous reactions	No information available
10.4	Conditions to avoid	Avoid excessive heat
10.5	Incompatible materials	None known
10.6	Hazardous decomposition products	May give off toxic fumes in a fire. Carbon monoxide. Carbon dioxide. Carbonyl and dioxolane derivatives may also be formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Ingestion	May cause discomfort
Inhalation	No information available
Skin contact	May irritate the skin
Eye contact	May cause irritation to the eye

SECTION 12: Ecological information

12.1	Toxicity	Not considered toxic to fish
12.2	Persistence and degradability	Part of the mixture is biodegradable
12.3	Bioaccumulative potential	No information available
12.4	Mobility in soil	No information available
12.5	Result of PBT and vPvB assessment	This mixture does not contain any substances that are assessed to be a PBT or a vPvB
12.6	Other adverse effects	No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority regulations

13.2 European waste catalogue

Disposal of product: European Waste Catalogue 16 03 06
Disposal of packaging: European Waste Catalogue 15 01 02

Taking into consideration the local authority regulations, the spent container may be disposed of with household refuse providing it has been rinsed.

Disposal of packaging as municipal waste (having been rinsed): European Waste Catalogue 20 01 39

SECTION 14: Transport information

14.1	UN number	Not classified
14.2	UN proper shipping name	None
14.3	Transport hazard classes	None
14.4	Packing group	None
14.5	Environmental hazards	Not classified as a marine pollutant
14.6	Special precautions for user	None
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

SECTION 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	<p>National regulations Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.</p> <p>EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>None of the components listed in Annex XIV (SVHC) are present in the mixture</p>
15.2	Chemical Safety Assessment	No chemical safety analysis has been carried out for this mixture by the supplier

SECTION 16: Other information

Indication of changes

Revised ANNEX II, from 1ST December 2010

Abbreviations and acronyms

ACLG	Approved Classification and Labelling Guide
CAS No	Chemical Abstracts Service Number
CLP	Classification Labelling Packaging Regulations (EC) No 1272/2008
EC No	EINECS Number
EINECS	European Inventory of Existing Commercial Substances
LTEL	Long Term Exposure Limit
NC	Not Classified
PBT	Persistent, Bioaccumulative and Toxic substance
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations
SDS	Safety Data Sheet
SVHC	Substances of Very High Concern
TWA	Time Weighted Average
UN	United Nations
WEL	Workplace Exposure Limit
vPvB	Very Persistent and Very Bioaccumulative

H-statements for pure substances listed in section 3

Hazard statements in full

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BuildCert approval dosage: 25L per 100L system capacity.

Source of key data used to compile SDS:
Raw material suppliers' safety data sheets
Approved Classification and Labelling Guide (Sixth edition)

This information is based on the present state of our knowledge.

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