

# 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 BM7 Heating System Biocide 500ml
1.2	Relevant identified uses of the substance or mixture and uses advised against	Domestic central heating additive (biocide)  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)	Hazard pictograms GHS09 environment, GHS07 Harmful  
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### 2.2 Label elements

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

Hazard pictograms	Hazard pictograms: GHS09 Environmental Hazard, GHS07 Harmful
Signal words	Warning
Hazard statements	H319 Causes serious eye irritation H400 very toxic to aquatic life
Precautionary statements	P264 Wash thoroughly after handling P273 Avoid release to the environment P280 Wear eye protection / face protection P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 if eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 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 of substances listed below with non-hazardous additions

CAS No	%w/w	Name	(EC) No1272/2008 classification
52-51-7	<3	2-bromo-2-nitropropane-1,3-diol	Eye Dam 1, H318 Aquatic Acute 1, H400 Acute Tox, 4, H302 Acute Tox 4, H312 Skin Irrit 2, H315 STOT SE 3, H335

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	No specific measures required
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 20 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

No information available

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

No information available

## 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 and nitrogen
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.  Keep away from freezing, store at temperature above 5°C and below 35°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

No occupational exposure limit assigned

### 8.2 Exposure controls

8.2.1	Appropriate engineering controls	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	Pale yellow
Odour	Light
pH	3 - 5
Relative density	1.02
Solubility (water)	Soluble in cold and hot water

### 9.2 Other information

Product is not self-igniting, product does not present an explosion hazard

## SECTION 10: Stability and reactivity

10.1	Reactivity	Under normal conditions of storage and use, hazardous reactions will not occur
10.2	Chemical stability	Stable under normal conditions of use and storage
10.3	Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur
10.4	Conditions to avoid	Avoid excessive heat
10.5	Incompatible materials	None known
10.6	Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Ingestion	Irritating to mouth, throat and stomach
Inhalation	Exposure to decomposition products may cause a health hazard
Skin contact	May irritate the skin
Eye contact	May cause irritation to the eye

## SECTION 12: Ecological information

12.1	Toxicity	No information available
12.2	Persistence and degradability	Easily 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	UN3082
14.2	UN proper shipping name	3082 Environmentally hazardous substance liquid NOS (2-bromo-2-nitropropane-1,3-diol)
14.3	Transport hazard classes	9 Miscellaneous dangerous substance and articles
14.4	Packing group	III
14.5	Environmental hazards	Symbol (fish and tree)
14.6	Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
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><b>National regulations</b> 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><b>EU legislation</b> 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 1<sup>ST</sup> 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
NC	Not Classified
PBT	Persistent, Bioaccumulative and Toxic substance
SDS	Safety Data Sheet
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations
SVHC	Substances of Very High Concern
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative

Relevant H-statements for pure substances listed in section 3

Hazard statements in full

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

Full text of classifications [1272/2008]

Eye Dam 1	Eye Damage. Hazard category 1
Aquatic Acute 1	Aquatic Acute. Hazard category 1
Acute Tox 4	Aquatic Toxicity category 4
Skin Irrit 2	Skin Irritant. Hazard category 2
STOT SE 3	Specific target organ toxicity Single exposure. Hazard category 3

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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