

SAFETY DATA SHEET

SM-2 Non-Acid De-Scaler

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

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| 1.1 | Product identifier | SM-2 Non-Acid De-Scaler |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Domestic central heating treatment.
Not suitable for use in PRIMATIC single feed cylinders. |
| 1.3 | Details of the supplier of the safety data sheet | Scalemaster Limited
Emerald Way
Stone Business Park
STONE
Staffordshire ST15 0SR
Tel: 01785 811636
Email: info@scalemaster.co.uk
Web:www.scalemaster.co.uk |
| 1.4 | Emergency telephone number | Tel: 01785 811636
Only available during office hours. |

SECTION 2: Hazards identification

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|-----|--|---|
| 2.1 | Classification of the substance or mixture | |
| | Classification according to regulation (EC) No 1272/2008 (CLP) | This product has no classification under CLP. |
| | Additional information | |
| 2.2 | Label elements | |
| | According to regulation (EC) No 1272/2008 (CLP) & (EU) No 453/2010 | This product has no label elements. |
| | Hazard pictograms | |
| | Signal words | |
| | Hazard statements | |
| | Precautionary statements | |
| 2.3 | Other hazards | This product is not identified as a PBT/vPvB substance. |

SECTION 3: Composition/information on ingredients

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| 3.1 | Substances | |
| 3.2 | Mixtures | |
| | Additional information | For full text of each hazard statement see Section 16. |

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Following inhalation	Consult a doctor if there are symptoms.
Following skin contact	Wash immediately with plenty of soap and water.
Following eye contact	Bathe the eye with running water for 15 minutes.
Following ingestion	Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation	There may be irritation of nose, throat and lungs.
Following skin contact	There may be mild irritation at the site of contact.
Following eye contact	There may be irritation and redness.
Following ingestion	There may be irritation of the throat.
Delayed/immediate effects	No data available.

4.3 Identification of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
5.2 Special hazards arising from the substance or mixture	In combustion emits toxic fumes.
5.3 Advice for firefighters	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	Refer to section 8 of the SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.
6.2 Environmental precautions	Contain the spillage using bunding.
6.3 Methods and material for containment and cleaning up	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	Refer to section 8 of SDS.

SECTION 7: Handling and storage

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| 7.1 | Precautions for safe handling | Ensure there is sufficient ventilation of the area. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Store in a cool, well ventilated area. Keep container tightly closed. Do not allow to freeze. |
| | Suitable packaging | Plastic. |
| 7.3 | Specific end use(s) | |

SECTION 8: Exposure controls/personal protection

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| 8.1 | Control parameters | |
| | Workplace exposure limits | No data available. |
| | DNEL/PNEC | No data available. |
| 8.2 | Exposure controls | |
| | Appropriate engineering controls | Avoid spilling, skin and eye contact. Ensure there is sufficient ventilation of the area. |
| | Individual protection measures such as personal protective equipment | |
| | 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

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| 9.1 | Information on basic physical and chemical properties | |
| | State | Liquid. |
| | Colour | Colourless. |
| | Odour | Barely perceptible odour. |
| | pH | 6.8 - 7.2 |
| | Relative density | 1.08 - 1.10 |
| | Solubility | Miscible. |
| 9.2 | Other information | No data available. |

SECTION 10: Stability and reactivity

10.1	Reactivity	Stable under recommended transport or storage conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions.
10.4	Conditions to avoid	Freezing conditions.
10.5	Incompatible materials	Strong oxidising agents.
10.6	Hazardous decomposition products	In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1	Information on toxicological effects	
	Toxicity values	No data available.
	Symptoms/routes of exposure	
	Ingestion (swallowing)	There may be irritation of the throat.
	Inhalation	There may be irritation of nose, throat and lungs.
	Skin contact	There may be mild irritation at the site of contact.
	Eye contact	There may be irritation and redness.

SECTION 12: Ecological information

12.1	Toxicity	
	Ecotoxicity values	No data available.
12.2	Persistence and degradability	Biodegradable.
12.3	Bioaccumulative potential	No bioaccumulation potential.
12.4	Mobility in soil	Readily absorbed into soil.
12.5	Results of PBT and vPvB assessment	This product is not identified as a PBT/vPvB substance.
12.6	Other adverse effects	Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1	Waste treatment methods	
	Disposal operations	Not applicable.
	Recovery operations	Not applicable.
	Disposal of packaging	Dispose of as normal industrial waste.
		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 Not applicable.

15.2 Chemical safety assessment

SECTION 16: Other information

Indication of changes * Indicates text in the SDS which has changed since the last revision.

Abbreviations and acronyms

ACLG	Approved Classification and Labelling Guide
CAS No	Chemical Abstracts Service Number
CLP	Classification, Labelling and Packaging Regulations (EC) 1272/2008
DNEC	Derived No Effect Level
EC No	EINECS number
EINECS	European Inventory of Existing Commercial Substances
LTEL	Long Term Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic Substances
PNEC	Predicted No Effect Level
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
vPvB	Very Persistent and Very Bioaccumulative

Literature references and sources of data This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Full text of hazard statements listed in Section 3. Not applicable.

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

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.