

SAFETY DATA SHEET

HP-PRO Inhibitor Top-Up Treatment 250ml

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

- 1.1 Product identifier Scalemaster HP-PRO Inhibitor Top-Up Treatment for Heat Pumps - 250ml
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Domestic central heating inhibitor.
- 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

- 2.1 Classification of the substance or mixture
Classification under (CLP) This product has no classification under CLP.
- 2.2 Label elements This product has no label elements.
- 2.3 Other hazards This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

SODIUM NITRATE

CAS No	EINECS	% w/w	PBT/WEL	(EC) No 1272/2008 classification
7631-99-4	231-554-3	1-10%	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Ox. Sol. 3: H272

BENZOTRIAZOLE

CAS No	EINECS	% w/w	PBT/WEL	(EC) No 1272/2008 classification
95-14-7	202-394-1	1-10%	-	Acute Tox. 4: H302+332; Eye Irrit. 2: H319; Aquatic Chronic 3: H412

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- Following skin contact Wash immediately with plenty of soap and water.
- Following eye contact Bathe the eye with running water for 15 minutes.

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| Following ingestion | Wash out mouth with water. |
| Following inhalation | Consult a doctor if there are symptoms. |
| 4.2 Most important symptoms and effects, both acute and delayed | |
| 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. |
| Following inhalation | No symptoms. |
| 4.3 Identification of any immediate medical attention and special treatment needed | Not applicable. |

SECTION 5: Firefighting measures

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| 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

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| 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. |
| 7.3 Specific end use(s) | |

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

Hazardous ingredients

SODIUM NITRATE

Workplace exposure limits			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min STEL
EU	4	-	-	-

DNEL/PNEC Values

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	Brown.
Odour	Slightly aromatic.
pH	7.6 - 8.2
Relative density	1.16 - 1.18
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	None known.
10.6	Hazardous decomposition products	In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

SODIUM NITRATE

ORAL	RAT	LD50	1267	mg/kg
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BENZOTRIAZOLE

DERMAL	RAT	LD50	>1,000	mg/kg
DUST/MIST	RAT	4H LC50	1.4	mg/l
ORAL	RAT	LD50	560	mg/kg

Toxicity values

No data available

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 (swallowing)

There may be irritation of the throat.

Inhalation

No symptoms.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

SODIUM NITRATE

Daphnia magna	48H EC50	8,600	mg/l
FISH	96H LC50	>4,000	mg/l

BENZOTRIAZOLE

BLUEGILL (Lepomis macrochirus)	96H LC50	25	mg/l
Daphnia magna	48H EC50	91	mg/l

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| 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

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| 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

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| Transport class | This product does not require a classification for transport. |
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SECTION 15: Regulatory information

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| 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

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| 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 | <p>* Indicates text in the SDS which has changed since the last revision.</p> <p>H272: May intensify fire; oxidiser.</p> <p>H302: Harmful if swallowed.</p> <p>H302+332: Harmful if swallowed or if inhaled.</p> <p>H319: Causes serious eye irritation.</p> <p>H412: Harmful to aquatic life with long lasting effects.</p> |
| 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. |