

SAFETY DATA SHEET

SM-Pro Corrosion Inhibitor 300ml (Canister)

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

- | | | |
|-----|---|--|
| 1.1 | Product identifier | Scalemaster SM-Pro Corrosion Inhibitor 300ml (Pressurised Canister) |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Domestic central heating inhibitor.

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

- | | | | |
|-----|--|---|---|
| 2.1 | Classification of the substance or mixture | Classification according to regulation (EC) No 1272/2008 (CLP) | Press. Gas: H280. |
| | Additional information | | Most important adverse effects: Contains gas under pressure; may explode if heated. |
| 2.2 | Label elements | According to regulation (EC) No 1272/2008 (CLP) & (EU) No 2015/830 | |
| | Hazard pictograms | | GHS04: Gas cylinder |
| | |  | |
| | Signal words | | Warning |
| | Hazard statements | | H280: Contains gas under pressure; may explode if heated. |
| | Precautionary statements | | P410+P403: Protect from sunlight. Store in a well-ventilated place. |
| 2.3 | Other hazards | | This product is not identified as a PBT/vPvB substance. |

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

EINECS	CAS	PBT/WEL	(EC) No 1272/2008 classification CLP	% w/w
--------	-----	---------	--------------------------------------	-------

SODIUM NITRATE

231-554-3	7631-99-4	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Ox. Sol. 3: H272	1-10%
-----------	-----------	---	---	-------

BENZOTRIAZOLE

202-394-1	95-14-7	-	Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Aquatic Chronic 3: H412	1-10%
-----------	---------	---	--	-------

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	No symptoms.
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

- | | | |
|-----|--|---|
| 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

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

No data available.

8.2 Exposure controls

Appropriate engineering controls

Avoid spilling, skin and eye contact.

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

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
------	-----	------	------	-------

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

Ingestion (swallowing)

There may be irritation of the throat.

Inhalation

No symptoms.

Skin contact

There may be mild irritation at the site of contact.

Eye contact

There may be irritation and redness.

Delayed/immediate effects

No data available.

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

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

14.1 UN number	UN number: UN1950
14.2 UN proper shipping name	Shipping name: AEROSOLS (IATA ONLY), NON-FLAMMABLE
14.3 Transport hazard class(es)	Transport class: 2.2
14.4 Packing group	
14.5 Environmental hazards	Environmentally hazardous: No Marine pollutant: No
14.6 Special precautions for user	Special precautions: No special precautions.

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
EC50	Concentration that causes 50% of maximum effect in stated time period
EINECS	European Inventory of Existing Commercial Substances
LD50 (LC50)	Lethal dose (or concentration) at which 50% of the population will be killed in stated time period
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
STEL	Short Term Exposure Limit
STOT	Specific target organ toxicity (-single/repeated exposure)
SVHC	Substances of Very High Concern

TWA	Time Weighted Average
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limits

Literature references and sources of data

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Full text of hazard statements listed in Section 3.

H272: May intensify fire; oxidiser.
H280: Contains gas under pressure; may explode if heated.
H302: Harmful if swallowed.
H302+H332: Harmful if swallowed or if inhaled.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

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.