


SAFETY DATA SHEET

SM-6 Heat Optimiser

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

- 1.1 Product identifier SM-6 Heat Optimiser
- 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

- 2.1 Classification of the substance or mixture
Classification according to regulation (EC) No 1272/2008 (CLP) Eye Dam. 1: H318
Additional information Most important adverse effects: Causes serious eye damage.
- 2.2 Label elements
According to regulation (EC) No 1272/2008 (CLP) & (EU) No 2015/830
Hazard pictograms GSH05: Corrosion

- Signal words Danger
- Hazard statements H318: Causes serious eye damage.
- Precautionary statements P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor.

2.3 Other hazards Risk of serious damage to eyes.

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 | Percent |
|-----------------|------------|---------|----------------------------------|---------|
| D-GLUCOPYRANOSE | | | | |
| - | 68515-73-1 | - | Eye Dam. 1: H318 | 10-30% |

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. |
| Following skin contact | Wash immediately with plenty of soap and water. |
| Following eye contact | Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. |
| Following ingestion | Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|---------------------------|---|
| Following inhalation | There may be irritation of the throat with a feeling of tightness in the chest. |
| 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

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|---|--|
| 5.1 Extinguishing media | Suitable extinguishing media for the surrounding fire should be used. |
| 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. |
| 6.2 | Environmental precautions | Contain the spillage using bunding. Do not discharge into drains or rivers. |
| 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 | Avoid the formation or spread of mists in the air. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Store in a cool, well ventilated area. |
| | Suitable packaging | Plastic. |
| 7.3 | Specific end use(s) | No data available. |

SECTION 8: Exposure controls/personal protection

- | | | |
|-----|--|---|
| 8.1 | Control parameters | |
| | Hazardous ingredients | 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 protective device with particle filter. |
| | 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 | Colourless. |
| | Odour | Odourless. |
| | pH | 8.5 |
| | 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.

Decomposition may occur on exposure to conditions or materials listed below.
- 10.4 Conditions to avoid Freezing conditions.
- 10.5 Incompatible materials Strong oxidising agents.
- 10.6 Hazardous decomposition products In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

D-GLUCOPYRANOSE

| | | | | |
|--------|-----|------|--------|-------|
| DERMAL | RBT | LD50 | >2,000 | mg/kg |
| ORAL | RAT | LD50 | >2,000 | mg/kg |

Relevant hazards for substance

| Hazard | Route | Basis |
|-------------------------------|-------|-----------------------|
| Serious eye damage/irritation | OPT | Hazardous: calculated |

Symptoms/routes of exposure

- Ingestion (swallowing) There may be irritation of the throat.
- Inhalation There may be irritation of the throat with a feeling of tightness in the chest.
- 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

D-GLUCOPYRANOSE

| | | | |
|---------------|----------|------|------|
| Daphnia magna | 48H EC50 | >100 | mg/l |
|---------------|----------|------|------|

- 12.2 Persistence and degradability Biodegradable.
- 12.3 Bioaccumulative potential No bioaccumulation potential.
- 12.4 Mobility in soil Soluble in water.
- 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 | Transfer to a suitable container and arrange for collection by specialised disposal company. |
| Recovery operations | Not applicable. |
| Disposal of packaging | Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. |

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 |
| 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 |
| 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 Sections 2 & 3.

Hazard statements in full

| | |
|------|---------------------------|
| H318 | Causes serious eye damage |
|------|---------------------------|

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



Safety Data Sheet: SM-6 – 500ml

Issued: 20/04/2017

Revision number: 1 (1 0817) 91

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.