



SAFETY DATA SHEET

Enersave Heating System Improver

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

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|-----|---|---|
| 1.1 | Product identifier | Sankel Enersave Heating System Improver. |
| 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 | Sanbra Fyffe
Instantor Works
Santry Avenue
Dublin 9
Tel: +353 (0)1 842 6255
Email: info@Instantor.ie |
| 1.4 | Emergency telephone number | Tel: +353 (0)1 842 6255
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) | 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



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
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D-GLUCOPYRANOSE

-	68515-73-1	-	Eye Dam. 1: H318	10-30%
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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

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**

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

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| 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

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

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

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.
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Not applicable.
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15.2 Chemical safety assessment

SECTION 16: Other information

Indication of changes	* Indicates text in the SDS which has changed since the last revision.
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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.
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Full text of hazard statements listed in Sections 2 & 3. Hazard statements in full

H318	Causes serious eye damage
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This information is based on the present state of our knowledge.



Safety Data Sheet: System Improver – 500ml

Issued: 20/04/2017

Revision number: 1 (1 0917) 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.