

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

- 1.1** Product identifier: SIL-ALL FIREGUARD
- 1.2** Identified use: Premixture of silage additives
- 1.3** Supplier details: Lallemand Animal Nutrition UK
Spring Lane North, Malvern Link, Worcestershire WR14 1BU, United Kingdom
Tel: +44 1684 891 055 Email: sds@lallemand.com
- 1.4** Emergency telephone: Contact your local doctor or hospital.
In the European Union, call 112.

Contacts of national emergency information services are available at:

<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

SECTION 2 - HAZARD IDENTIFICATION

2.1 Classification of the substance/mixture according to:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS section 1.5.2).
- Canadian Hazardous Product Act.
- US Occupational Safety and Health Administration (OSHA)
- Regulation 1272/2008/EC (CLP)

Classification: Eye irritant Category 2 – H319

2.2 Labelling according to the Globally Harmonized System (GHS) and to the Regulation 1272/2008/CE (CLP):

Signal Word: Warning

Hazard Pictogram:



Hazard Statements:

- H319 – Causes serious eye irritation.

Precaution Prevention:

- P280 – Wear protective eye /face protection.

Precaution Response:

- P305+351+338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+313 – If eye irritation persists: get medical advice/attention.

2.3 Other Hazards: The substance is not considered as a PBT or VPVB substance.

SECTION 3 - COMPOSITION

Product composition: Live bacteria and enzymes with sodium benzoate and potassium sorbate

Mixture or substance: mixture.

Ingredient name	CAS no.	CE no.	% of active in mix	CLP Hazard Classification (Reg. 1272/2008)
Potassium Sorbate	24634-61-5	246-376-1	≥ 99%	Eye Irrit. 2 - H319;

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures:

General information:Protection of rescue workers: Wear appropriate individual protective equipment (see Section 8).
Transport the affected person into the open air. Remove contaminated shoes and clothing.

Inhalation:Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention. Dust may irritate throat and respiratory system and cause coughing.

Ingestion:Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. DO NOT INDUCE VOMITING!

Contact with the skin: ...Remove affected person from source of contamination. Remove contaminated shoes and clothing. Get medical attention if irritation persists after washing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Contact with the eyes: ..Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

First aid facilities:Ensure that automatic eye baths and safety showers are located close to the workstations.

4.2 Most important symptoms and effects, both acute and delayed:

Eye contact:..... Causes serious eye irritation.

Skin contact:.....Irritation, redness.

Inhalation: Coughing, chest tightness, feeling of chest pressure.

Ingestion:.....Nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatment needed:

None. If any symptoms persist, seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable:Water, foam, carbon dioxide, dry powder.

Unsuitable:None

5.2 Special hazards arising from the material:

May develop highly toxic or corrosive fumes if heated.

When heated and in case of fire, irritating vapours/gases may be formed.

5.3 Advice to firefighters: Wear a self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires as product powder could be in the air.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with the eyes, skin and clothing. Use appropriate protective equipment (see Section 8).

6.2 Environmental precautions:

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up:

Small accidental spillage or leak: Avoid the formation of dust or spray. Mop up with appropriate material. Place in an appropriate container. Clean the area affected with water.

Large accidental spillage or leak: Avoid the formation of dust or spray. Prevent spillage into the drains, subsoil or confined areas. Contain if necessary.

6.4 References to other sections: See section 8 for individual protective equipment and section 13 for waste disposal.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling:

Handling: Avoid breathing dust. Avoid contact with eyes.

Occupational hygiene: Wash hands thoroughly after handling. Do not eat, drink or smoke while working.
Store work clothing separately. See also section 4 for recommended equipment.

7.2 Conditions for safe storage, including any incompatibilities:

Risks: Not at risk for corrosion, fire, explosion, or chemical reaction.

Place of storage:..... No special instruction to minimize risks (see above).

..... Store according to label directions to maintain label guarantees.

Incompatible materials: No known incompatibilities.

Fire/explosion protection: None needed

7.3 Specific end use:..... Premixture of silage additives

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters:**

Exposure limits: No limit

Biological limits: No limit

8.2 Exposure controls:

Engineering:..... None

Eye/face protection:..... Recommended to wear protective glasses in conditions of excessive dusting.

Skin Hand: Gloves are recommended. Wash and dry hands.

Other: None. Wear appropriate clothing for work.

Respiratory protection: None except if ventilation is not sufficient.

Thermal protection: None

Environmental exposure: None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:**

Appearance: White/beige pellets

Odour: Not Applicable

Odour threshold: Not relevant

pH: 8.3

Melting point/Freezing point: Not relevant

Initial boiling point and boiling range:..... Not applicable, product is a solid

Flash point: Not relevant

Evaporation rate:..... Not applicable, product is a solid

Flammability (solid, gas):..... Not flammable

Upper/lower flammability or explosive limits:..... Not relevant

Vapour pressure:..... Not applicable, product is a solid

Vapour density: Not applicable, product is a solid

Relative density: 1.36 (20°C)

Solubility:..... Partially soluble

Partition coefficient (n-octanol/water): Not relevant

Auto-ignition temperature: Not relevant

Decomposition temperature:..... Not relevant

Viscosity:..... Not applicable, product is a solid

Explosive properties:..... Not relevant

Oxidising properties: Not relevant

9.2 Other information: None**SECTION 10 - STABILITY AND REACTIVITY****10.1 Reactivity:** Not reactive**10.2 Chemical stability:** Stable**10.3 Possibility of hazardous reactions:** None**10.4 Conditions to avoid:** None**10.5 Incompatible materials:** See section 7**10.6 Hazardous decomposition products:** None**SECTION 11 - TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

Acute toxicity (oral LD50): No information available

Skin corrosion/irritation: No information available

Serious eye damage/irritation:..... Irritating to eyes

Respiratory /Skin sensitization:..... No information available

Germ cell mutagenicity No information available

Carcinogenicity No information available

Reproductive toxicity No information available

STOT-single exposure No information available

STOT-repeated exposure..... No information available

Aspiration hazard No information available

11.2 Information on other hazards:

Endocrine disrupting properties: This product does not contain any known or suspected endocrine disruptors.
Other information: None

▪ **SECTION 12 - ECOLOGICAL INFORMATION**

12.1 Toxicity: No known effects

12.2 Persistence and degradability: Most ingredients of the product are readily biodegradable. Hence it is not expected to persist in the environment.

12.3 Bioaccumulative potential:..... No risk of bioaccumulation expected.

12.4 Mobility in soil: No information available

12.5 Results of PBT and vPvB assessment:..... Not considered to be a PBT and vPvB substance.

12.6 Endocrine disrupting properties:..... This product does not contain any known or suspected endocrine disruptors.

12.7 Other adverse effects:..... No adverse effects reported

12.8 Additional information:..... None

▪ **SECTION 13 - DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods:

No special disposal method recommended. Follow all applicable local laws for recycling, bagging, and disposal of trash.

▪ **SECTION 14 - TRANSPORT INFORMATION**

14.1 UN Number: Not relevant

14.2 UN proper shipping name: Not relevant

14.3 Transportation hazard class: Not classified as dangerous

14.4 Packing group: Not relevant

14.5 Environmental hazards:..... None

14.6 Special precautions: None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not relevant.

▪ **SECTION 15 - REGULATORY INFORMATION**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The format of this safety data sheet complies with the requirements of

- **Globally Harmonised System of Classification and Labelling of Chemicals (GHS)**
- **Regulation (EC) No 1907/2006** (as amended) on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- **EU Regulations:** Authorisation and/or restriction of use: Regulation EC 1831/2003 on additives for use in animal nutrition.
- **Other EU regulations:** Regulation EC 1272/2008 on the classification, labelling and packaging of substances and mixtures - This product is not required to be registered under EC Regulation 1907/2006. Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2 Chemical safety assessment:

No specific chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

▪ **SECTION 16 - OTHER INFORMATION**

Classification according to Regulation (EC) N.1272/2008	Classification
Eye Irritant, Category 2 - H319	On calculation method

Disclaimer:

The information, data and recommendations contained in this SDS are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date of revision. The SDS serves as description of the products in regard to necessary safety measures. No warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS.

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