

Safety Data Sheet

Commercial name of the product : SafAle HA-18

Sheet 2017/10/12, version 1

In accordance with the requirements of Regulation (EC) 1907/2006 and modifications

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Commercial name: SafAle HA-18

Mixture of yeast and enzyme, not subject to REACH registration requirement

1.2. Relevant identified uses of the substance / mixture and not recommended uses

Recommended use: Beverages fermentation

1.3. Company/ undertaking identification

- **Supplier:**
FERMENTIS a Business Unit of S.I Lesaffre
137 rue Gabriel Péri
59703 Marcq-en-baroeul
FRANCE
+33 3 20 81 62 75
- **Person responsible for the Safety Data Sheet**
fermentis@lesaffre.fr

1.4. Emergency telephone number

Ireland: National Poisons Information Centre, Beaumont Hospital +353 (0)1 809 2166 (8 am to 10 pm)

United Kingdom: The National Poisons Information Service (formerly the Poisons Centres network) offers a 24-hour helpline in the event of poisonings, <http://www.npis.org/telephone.html>).

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

- **Regulation criteria CE 1272/2008 (CLP) :**

Resp. Sens. 1

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

- **Other information**

For full text of hazard statements: see section 16.

2.2. Labelling elements

- **Hazard pictograms**



- **Signal Word**

DANGER

- **Hazard statements**

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

- **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

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P285 In case of inadequate ventilation wear respiratory protection.

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

- **Risks determining components**

Gluco-amylase

- **Additional information on hazards**

Purposeless

2.3. Other hazards

vPvB substances: None - PBT substances: None

Suspected to form dust inducing a risk of explosion

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Substance	Identification number	% (mass)	Classification according to regulation
Gluco-amylase	9032-08-0	<10%	N°1272/2008 H334

- **Other information:**

For full text text of statement H: see section16

SECTION 4. FIRST AID MEASURES

4.1. Description of the first-aid measures

In case of skin contact:

If irritation occurs, consult a doctor.

Wash with plenty of soap and water.

In case of eye contact:

In case of eye contact, rinse immediately with plenty of water. Consult a specialist if an irritation occurs.

In case of ingestion:

Do not induce vomiting under any circumstances. If ingested in large quantities, consult a doctor.

In case of inhalation :

Transport the victim outside and maintain her at rest.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2. Main symptoms and effects, both acute and delayed

None

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

None

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing

Appropriate ways of extinction :

Water

Carbon dioxide (CO2)

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Water sprayed

Ways of extinction which must not be used for safety reasons:
None in particular

5.2. Special hazards resulting from the substance or mixture

Do not inhale the gas produced by the explosion or combustion

5.3 Advice for firefighters

Use adapted respiratory systems.

Collect separately contaminated water used for fire extinguishing. Do not discharge into wastewater systems. If feasible from the safety point of view, move undamaged containers from the immediate danger zone.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

6.2. Precautions for the protection of environment

Prevent penetration into soil / subsoil. Prevent discharge into surface waters or wastewater systems.

Retain contaminated washing water and dispose it.

In case of leakage or seepage into waterways, soil or water drainage system, inform responsible authorities.

Equipment suitable for the collection: absorbing material, organic, sand.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid skin and eye contact, inhalation of vapours or mists.

Do not eat or drink while working.

7.2. Conditions for a safe storage, including any incompatibilities

Keep away from sources of ignition. Avoid dust formation

Store in a dry, cool place

Incompatible materials: None in particular

Indication for premises: Adequately ventilated premises

7.3. Special final use(s)

Beverages industry

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

Ingredients with exposure limit values :

8.2. Exposure controls

Eye protection:

Safety goggles against dust.

Skin protection:

Lab coat – protective clothes.

Hands protection:

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Suitable gloves type: NR (natural rubber, natural latex).

Respiratory protection:

Dust filter device

SECTION 9. PHYSICAL ET CHEMICAL PROPERTIES

9.1. Information on essential physical and chemical protection

Appearance and colour:	Powder - beige
Odour and odour threshold :	Slight odour of fermentation
pH :	4.5-6.5 (concentration 2%)
Melting/ freezing point :	Not applicable
Initial boiling point and boiling range:	Not applicable
Solid / gas flammability:	Not applicable
Flammability or explosion limit:	60g/m ³
Vapour density:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Vapour pressure:	Not applicable
Relative density:	0.55 – 0.95
Water solubility:	Soluble
Fat-solubility:	Insoluble
Partition-coefficient (n-octanol / water):	Not applicable
Auto-ignition temperature :	>195°C
Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidizing properties	Non oxidizing material according to EC criteria

9.2. Other information

Miscibility:	Not applicable
Fat-solubility (organic solvents):	Insoluble
Conduction:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not available

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

None in particular

10.5. Materials to avoid

None in particular

10.6. Hazardous decomposition products

None

SECTION 11. TOXICOLOGICAL INFORMATION

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11.1. Information on toxicological effects

Enzyme presence: repeated enzymatic dust inhalation may cause sensibilisation and induce allergic reactions in sensitized individuals

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Use the product according good practices by avoiding scattering it in the nature.

According to the information available to date, none of the components of the mixture does present toxicity to aquatic organisms.

12.2. Persistence and degradability

Not persistent and biodegradable

12.3. Potential of bioaccumulation

Not available

12.4. Mobility

Not available

12.5. Results of PBT assessment

vPvB substances: None – PBT substances: None

12.6. Other adverse effects

None

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Send to authorized disposal plants or for incineration under controlled conditions. Operate by respecting the current local and national measures.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not hazardous in the meaning of transport regulation (ADR, IATA, IMDG).

14.2. UN shipping name

Not applicable

14.3. Hazard class for transport

Not applicable

14.4. Packaging group

Not applicable

14.5. Hazards for environment

Marine pollutant: No

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC

No

SECTION 15. REGULATORY INFORMATION

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15.1. Specific regulation/ legislation to the substance or mixture regarding safety, health and environment

In accordance with European regulations

15.2. Chemical safety assessment

No

SECTION 16. OTHER INFORMATION

- **Full text of statements named in heading 3**

Statements	Full text
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
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P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

- **Main bibliographic sources**

GESTIS International Limit Values (IFA)

- **Abbreviations**

REACH	Registration, Evaluation, Authorization and restriction of CHemicals
CAS:	Department of Chemical Abstracts (Division of American Chemical Society)
CLP:	Classification, Labelling, Packaging
EINECS:	European Inventory of Existing Commercial Chemical Substances
PBT	Persistent, bioaccumulative and toxic
vPvB	Very persistent, very bioaccumulative

- **Notice to reader**

The information provided in this Safety Data Sheet are based on the state of our knowledge of this product, at the revision date of this Safety Data Sheet. The information provided in this Safety Data Sheet supplement the Technical Data Sheets but do not replace them.

This Safety Data Sheet is only a support for the handling, use, processing, storage, transportation, use and disposal. It should not be construed as a warranty or quality specification.

The user's attention is drawn to the possible risks and risks of using a product for purposes other than those for which it was designed as shown in this safety data sheet: it is the the user's responsibility to assess the applicability of the information and recommendations provided in this Safety Data Sheet and its suitability its own activities and goals.

FERMENTIS will not be held responsible for any use of the product which is not consistent with the information provided in this Safety Data Sheet. Compliance with the instructions contained in this safety data sheet does not relieve the user to ensure that it complies with all regulations and recommendations related to its products and activities.

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End of the Safety Data Sheet