Safety Data Sheet

Servomyces L50

Version: 2
Version date: 17/06/2024
Language: EN
According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

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

1.1. Product identifier

Trade name/designation : Servomyces L50.
Generic name : Zinc-enriched yeast

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Nutritional yeast for beer.
Uses advised against : No data available.

1.3. Details of the supplier of the safety data sheet

Supplier :
Name: Danstar Ferment A.G. - C/O Lallemand GmbH
Street: Man-Straße 23A
Postal code/City: 2333 Leopoldsdorf bei, Wien
Country: Austria
Telephone: +43 2235 930 864 01
E-mail: brewingorders@lallemand.com

1.4. Emergency Telephone Number

Contact your local doctor or hospital.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Hazards identification:

H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Labelling

Hazard pictograms

Signal word

Hazard Statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention

P273 Avoid release to the environment.

Precautionary Statements - Response

P391 Collect spillage.

Precautionary Statements - Disposal

P501 Dispose of contents/container in accordance with local,national,international regulations.

2.3. Other hazards

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.
According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.
May form combustible dust concentrations in the air.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.
The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table.

Substance	Concentration (%)	Specific concentration limits	Classification
Yeast Dried			
CAS N° EC N° 929-251-2 IDX N° Registration number			
zinc oxide			
CAS N° 1314-13-2 EC N° 215-222-5 IDX N° 030-013-00-7 Registration number 01-2119463881-32-XXXX	5% ≤ C ≤ 6%		H400 Aquatic Acute 1 H410 Aquatic Chronic 1

Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Do not leave affected person unattended.
Remove victim out of the danger area.
Keep affected person warm, still and covered.
When in doubt or if symptoms are observed, get medical advice.

Following inhalation:

Remove person to fresh air and keep comfortable for breathing.
Provide fresh air.

Following skin contact:

Wash with soap and water.
Remove contaminated, saturated clothing immediately.

Following eye contact:

In case of eye irritation consult an ophthalmologist.
Rinse immediately carefully and thoroughly with eye-bath or water.

Following ingestion:

Never give anything by mouth to an unconscious person or a person with cramps.
IF SWALLOWED: Rinse mouth.
Do NOT induce vomiting.

Self-protection of the first aider:

First aider: Pay attention to self-protection!.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Symptoms:

Eye contact: Possible redness and irritation.
Skin contact: Possible redness and irritation.
Inhalation: May cause coughing (irritation) or irritate asthma. May cause sensitization.
Ingestion: The recommended daily allowance (RDA) for adults for zinc is 15 milligrams per day. The NOAEL (No Observed Adverse Effect Level) has been established as up to 30 milligrams per day, which is equivalent to 0.6g of Servomyces L50 (50,000 ppm zinc yeast). The lowest Adverse Effect Level (LOAEL) defined as the average daily zinc intake causing individuals within a population to develop overt signs of toxicity is 60 mg per day, which is equivalent to 1.2 g of Servomyces L50 (50,000 ppm zinc yeast). Ingestion of highly concentrated zinc yeast powder could induce vomiting, headache, listlessness. Ingestion of more than 60 mg zinc per day is toxic (i.e. more than 1.2g of Servomyces L50).

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

Notes for the doctor:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Foam.
Extinguishing powder.
Carbon dioxide (CO_2).
Sand.

Unsuitable extinguishing media:

Strong water jet.

5.2. Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
Fire Hazard: Combustible Dust.
Explosion Hazard: Dust explosion hazard in air.
Burning may produce heavy smoke.

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information
Do not inhale vapors and fumes.
Co-ordinate fire-fighting measures to the fire surroundings.
Move undamaged containers from immediate hazard area if it can be done safely.
Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protection equipment.
Remove persons to safety.
Provide adequate ventilation.

6.2. Environmental precautions
Ensure that waste is collected and contained.
Avoid release to the environment.
Cover drains.
Ensure all waste water is collected and treated via a waste water treatment plant.
Do not allow to enter into soil/subsoil.
Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up
Treat the recovered material as prescribed in the section on waste disposal.
Collect in closed and suitable containers for disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.
Collect spillage.
Avoid the formation of dust or spray.
Mop up with appropriate material.

6.4. Reference to other sections
Safe handling: see section 7.
Disposal: see section 13.
Personal protection equipment: see section 8.

Additional information
Not available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
PROTECTIVE MEASURES:
Avoid contact with skin, eyes and clothes.
Sewers and ducts must be protected against the entry of the product.
Provide for retaining containers, eg. floor pan without outflow.
May form flammable dust clouds in air.
Avoid breathing dust.
Avoid contact with eyes.
Use only in well-ventilated areas.
If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.

Advices on general occupational hygiene:
Wash hands before breaks and after work.
Remove contaminated, saturated clothing.
Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry, cool, and well-ventilated place.
Keep container in upright position in order to prevent leakage.
May form flammable dust clouds in air.
Not at risk for corrosion, fire or chemical reaction.

Requirements for storage rooms and vessels:
Use isolated drainage to prevent discharge to soil.
Store away from sources of heat or ignition.

Advice on joint storage:
Keep away from food, drink and animal feedingstuffs.
Keep away from acids, metals which are attacked by an alkaline medium and oxidising agent.
Avoid dust accumulation and control ignition sources.
Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

7.3. Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits:
Does not contain substances above concentration limits fixing an occupational exposure limit.
Biological limit values:
Not available
Exposure limits at intended use:
Not available
Remark:
Not available

8.2. Exposure controls
Appropriate engineering controls:
Technical measures and the application of suitable work processes have priority over personal protection equipment.
Individual protection measures, such as personal protective equipment:

Eye/face protection	:	**Suitable eye protection**: Protective glasses should be worn in conditions of excessive dusting.
Skin protection	:	**Hand protection**: **Suitable gloves type**: No data available. **Body protection**: **Suitable protective clothing**: Wear appropriate clothing for work / lab coat.
Respiratory protection	:	**Suitable respiratory protection apparatus**: Protective mask should be worn in conditions of excessive dusting.

Environmental exposure controls:
Not available
Consumer exposure controls:
Not available
Additional information
Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid,powder
Colour	:	Tan Powder
Odour	:	Typical Yeast Aroma
pH	:	Not applicable
Melting point/freezing point	:	Not available
Initial boiling point and boiling range	:	Not applicable
Flash point	:	Not applicable
Flammability	:	Not available
Upper/lower flammability or explosive limits	:	Not applicable
Vapour pressure	:	Not available
Vapour density	:	Not applicable
Relative density	:	Not available
Solubility(ies)	:	Mostly soluble
Partition coefficient n-octanol/water (log value)	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available

Dynamic viscosity	:	Not available
Kinematic viscosity	:	Not available
Oxidising properties	:	Not available
Solubility in other Solvents	:	Not available
Particle characteristics	:	Not available

9.2. Other safety information

Information concerning to the classes of physical hazards

Not available

Other security characteristics

Formation of explosible dust/air mixtures.

Explosive properties: Dust explosion Class St 1 (OSHA guidelines)//MEC (g/m3) 60 < MEC < 75.

SECTION 10:

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Dust explosion. May form flammable dust clouds in air.

10.4. Conditions to avoid

Dusty environments.

10.5. Incompatible materials

See section 7.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

Additional information

Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity:

The product is not classified.

Substances:

Not available

Acute dermal toxicity:

The product is not classified.

May be mechanical irritant to skin and eyes.

Substances:

Not available

Acute inhalation toxicity:

The product is not classified.

Substances:

Not available

Skin corrosion/irritation:

The product is not classified.

Possible irritation to skin.

Substances:

Not available

Serious eye damage/irritation:

The product is not classified.

Possible irritation to eye.

Substances:

Not available

Skin sensitisation:

The product is not classified.

Possible allergic reaction or sensitization.

Substances:

Not available

Specific target organ toxicity (repeated exposure):

The product is not classified.

Substances:

Not available

Specific target organ toxicity (single exposure):
The product is not classified.
Substances:
Not available
Carcinogenicity:
The product is not classified.
Substances:
Not available
Reproductive toxicity:
The product is not classified.
Substances:
Not available
Germ cell mutagenicity:
The product is not classified.
Substances:
Not available
Sensitisation to the respiratory tract:
The product is not classified.
Possible allergic reaction or sensitization.
Excessive inhalation of dusts may affect the nose, throat and lungs.
Substances:
Not available
Additional information:
Eye contact: Possible redness and irritation.
Skin contact: Possible redness and irritation.
Inhalation: May cause coughing (irritation) or irritate asthma.May cause sensitization.
Ingestion: The recommended daily allowance (RDA) for adults for zinc is 15 milligrams per day. The NOAEL (No Observed Adverse Effect Level) has been established as up to 30 milligrams per day, which is equivalent to 0.6g of Servomyces L50 (50,000 ppm zinc yeast). The lowest Adverse Effect Level (LOAEL) defined as the average daily zinc intake causing individuals within a population to develop overt signs of toxicity is 60 mg per day, which is equivalent to 1.2 g of Servomyces L50 (50,000 ppm zinc yeast). Ingestion of highly concentrated zinc yeast powder could induce vomiting, headache, listlessness. Ingestion of more than 60 mg zinc per day is toxic (i.e. more than 1.2g of Servomyces L50).

11.2. Information on other hazards

Endocrine disrupting properties:
According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life with long lasting effects.
Substances:
Not available

12.2. Persistence and degradability

The product has not been tested.
Substances:
Not available

12.3. Bioaccumulative potential

The product has not been tested.
Substances:
Not available

12.4. Mobility in soil

The product has not been tested.
Substances:
Not available

12.5. Results of PBT and vPvB assessment

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

12.6. Endocrine disrupting properties

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

12.7. Other adverse effects

Not available

Additional ecotoxicological information

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/Packaging disposal:

Waste codes/waste designations according to EWC/AVV:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options:

Appropriate disposal/Product:

Dispose of waste according to applicable legislation.

Appropriate disposal/Package:

Dispose of waste according to applicable legislation.

Remark:

Consult the appropriate authorities about waste disposal.

Additional information

Not available.

SECTION 14: TRANSPORT INFORMATION

		Land transport (ADR/RID):	Inland waterway transport (ADN):	Sea transport (IMDG):	Air transport (ICAO-TI/IATA-DGR):
14.1	UN number:	3077	3077	3077	3077
14.2	UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3	Transport hazard class(es):				
	Class or Division:	9	9	9	9
	Hazard label(s):				
14.4	Packing group:	III	III	III	III

14.5. Environmental hazards

Toxic to aquatic life with long lasting effects.
Sea transport (IMDG):
EMS: F-A, S-F.

14.6. Special precautions for user

See Section 8. If any substances have leaked and been spilled in a vehicle or container, it may not be reused until after it has been thoroughly cleaned. Any other goods carried in the same vehicle or container shall be examined for possible contamination. (CV13 ADR).

14.7. Bulk shipping according to IMO instruments

Not available

Additional information

Not available

SECTION 15: REGULATORY INFORMATION

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.
This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

National regulations:

U.S. - NY - RTK:

Substance	CAS	EC
zinc oxide	1314-13-2	215-222-5

15.2. Chemical Safety Assessment

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

Additional information

Not available

SECTION 16: OTHER INFORMATION

Indication of changes

March 2024: SDS document is revised align with requirements in EU regulations and new format.
April 2024: version 2,New SDS format and new hazard classification(Section changed:1-16)

Jun 2024 : New supplier address

Abbreviations and acronyms

CAS: Chemical Abstract Service Number.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods Code.
DPD Dangerous Preparation Directive.
UN number: United Nations number.
No EC: European Commission Number.
ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.
ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.
CLP: Classification, labeling and packaging.
VPvB: very persistent and very bioaccumulative substances.

Key literature references and sources for data

No data available.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Complies with ATP 18, Regulation (EU) n°2022/692.
Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

Relevant R-, H- and EUH-phrases (Number and full text)

H400	Aquatic Acute 1	Very toxic to aquatic life.
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

Additional information

Creation date: 17/06/2024
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Printing date: 17/06/2024

The information given in this Safety Data Sheet is based on our present knowledge and national regulations.This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses.The product mustn't be used for any uses other than those identified under heading 1.Since the user's working conditions are not known by us, it is the responsability of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.