

1 Bezeichnung des Stoffes / der Zubereitung und des Unternehmens
Identification of the substance/preparation and of the company/undertaking

1.1 Bezeichnung des Stoffes oder der Zubereitung / Identification of the substance or preparation

Microbial enzyme preparation, produced by extraction from chicken egg white, concentration, filtration, standardisation and granulation. Enzymes in general act as biocatalysts for the execution of special reactions under normal reaction conditions; the enzyme preparation, which is described here, effects a degradation of Gram-positive bacteria.

Artikelnummer / Art.-no.
2143x

Handelsname / Trade name
BactiCare.

1.2 Verwendung des Stoffes / der Zubereitung / Use of the substance / preparation

1.2.1 Identifizierte Verwendung(en) / Identified use(s)

Industrie / Gewerbe / Industry / Professional: According to Erbslöh product leaflet.

Privat / Private: None.

1.3 EG-Inverkehrbringer / EC market responsible person

1.3.1 Bezeichnung des Unternehmens / Company/undertaking identification

Erbslöh Geisenheim AG, Erbslöhstraße 1, D-65366 Geisenheim

Importeur CH: Wenger Getränketechnologie AG, 1615 Bossonnens, www.wengertechnologie.ch

1.3.2 Notrufnummer / Emergency telephone:

ToxZentrum, Zürich, Tel 145

2 Mögliche Gefahren / Hazards identification

2.1 Einstufung / Classification:

Following EU CLP regulation should be classified as Respiratory Sensitizer Category 1 by analogy.

2.2 Andere Gefahren / Other hazard(s):

May cause sensitization by inhalation.

3 Zusammensetzung/Angaben zu Bestandteilen / Composition/information on ingredients

3.1. Chemische Charakterisierung (Stoff) / Chemical characterization (substance)

Chemische Bezeichnung / Chemical name: :

White, crystalline powder (hydrochloride) of an enzyme produced from chicken egg white.

Enzym-Hauptaktivität main enzyme activity	EINECS-Nr. EINECS no.	IUB-Nr. IUB no.	CAS-Nr. CAS no.
Peptidoglycan-N-Acetylmuramoylhydrolase (lysozyme)		3.2.1.17	9066-59-5 (hydrochloride)

Synonym(e) / Synonyme(s): Food additive E 1105.

Gefährliche Bestandteile / Verunreinigungen / Hazard(ous) ingredients / impurity(ies):

Enzyme protein (2-20%).

3.2. Zusätzliche Hinweise / Additional information:

Inhalation of enzyme aerosols and dust, which may occur due to improper handling, may induce sensitization and may cause allergic reactions with sensitive persons. No limits of exposure are established. Skin contact may lead to irritations. The proper handling is described at point 6 and 7.

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4 Erste-Hilfe-Maßnahmen / First aid measures

4.1 Allgemeine Hinweise / General informations

No acute toxicity, but if exposed to enzyme dust, respiration problems and allergic reactions with sensitive persons might occur. In case of prolonged skin contact, enzyme, also enzyme solution, can cause irritations.

4.2 Nach Einatmen / In case of inhalation

Remove to fresh air.

4.3 Nach Hautkontakt / In case of skin contact

Wash off with water and soap.

4.4 Nach Augenkontakt / In case of eye contact

In case of contact with eyes, rinse immediately thoroughly with plenty of water and consult an ophthalmologist.

4.5 Nach Verschlucken / In case of ingestion

If swallowed, rinse mouth thoroughly with water and drink plenty of water.

4.6 Selbstschutz des Ersthelfers / Self-protection of the first aider

No special measures required.

5 Maßnahmen zur Brandbekämpfung / Fire-fighting measures

5.1 Geeignete Löschmittel / Suitable extinguishing media

Coordinate fire fighting measures to the fire surroundings.

5.2 Löschmittel, die aus Sicherheitsgründen nicht zu verwenden sind / Extinguishing media which must not be used for safety reasons

Co-ordinate fire-fighting measures to the fire surroundings.

5.3 Besondere Gefährdungen / Special exposure hazards

No special hazards.

5.4 Besondere Schutzausrüstung für die Brandbekämpfung / Special protective equipment for fire-fighters

Wear protective clothing matched to the fire surroundings.

6 Maßnahmen bei unbeabsichtigter Freisetzung / Accidental release measures

6.1 Personenbezogene Vorsichtsmaßnahmen / Personal precautions

Avoid generation of aerosols and dust.

6.2 Umweltschutzmaßnahmen / Environmental precautions

Prevent from flowing off into the sewerage system/surface water/ground water.

6.3 Verfahren zur Reinigung / Methods for cleaning up

Take up mechanically or pneumatically and dispose of properly. Avoid making dust. Rinse with warm water.

6.4 Zusätzliche Hinweise / Additional information

No special measures required.

7 Handhabung und Lagerung / Handling and Storage

7.1. Handhabung / Handling

Avoid dust formation. Provide for adequate ventilation.

7.2. Lagerung / Lagerbedingung / Storage / storage conditions

Store in a cool, dry, well-ventilated place, protected from foreign odours. Store in unopened original packaging.

7.3. Bestimmte Verwendung(en) / Specific use(s)

See product leaflet.

8 Begrenzung und Überwachung der Exposition / persönliche Schutzausrüstung / Exposure controls / Personal protection

8.1. Expositionsgrenzwerte / Exposure limit values

8.2. Begrenzung und Überwachung der Exposition / Exposure controls

8.2.1. Begrenzung und Überwachung der Exposition am Arbeitsplatz / Occupational exposure controls.

a) Atemschutz / Occupational exposure controls

Respiratory face mask: class FFP3.

b) Handschutz / Hand protection

Suitable gloves are recommended.

c) Augenschutz / Eye protection

Safety glasses are recommended.

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Andere Schutzmaßnahmen / Additional protection measures:

When using do not eat, drink, smoke, sneeze. Observe the usual protective and hygienic measures when handling foodstuffs.

8.2.2. Begrenzung und Überwachung der Umweltexposition / Environmental exposure controls

No special measures necessary.

8.2.3. Begrenzung und Überwachung des Stoffes in Verbraucher- oder Folgeprodukten / Substance control in consumer or downstream products

No special measures necessary.

9 Physikalische und chemische Eigenschaften / Physical and chemical Properties

9.1 Erscheinungsbild / Appearance

Form / Physical state: Crystalline powder.
Farbe / Colour: White.
Geruch / Smell: odourless powder with a slightly sweet taste.

9.2 Wichtige Angaben zum Gesundheits- und Umweltschutz sowie zur Sicherheit / Important health, safety and environmental information

Schüttgewicht / Bulk density: No data available.
Dichte / density: No data available.
pH-Wert (20 °C) / pH-value: pH 3.5 – 4.0 (1% suspension).
Schmelzpunkt / Melting point : Not known.
Siedepunkt / Boiling temperature : No data available.
Selbstentzündlichkeit / Autoignition :: No self-ignition.
Explosionsgefahr / Explosive properties: With organic products which give off dust, the risk of dust explosion exists.
Wasserlöslichkeit / Water solubility: Soluble in water.

10 Stabilität und Reaktivität / Stability and Reactivity

10.1 Zu vermeidende Bedingungen / Conditions to avoid

No decomposition, if applied accordingly. Loss of enzyme activity is possible at temperatures exceeding 30°C, thus cooling necessary.

10.2 Zu vermeidende Stoffe / Materials to avoid

No hazardous reactions.

10.3 Gefährliche Zersetzungsprodukte / Hazardous decomposition products

No hazardous decomposition products known.

11 Toxikologische Angaben / Toxicological information

11.1 Toxikinetik, Stoffwechsel und Verteilung / Toxicokinetics, metabolism and distribution

According to the present state of knowledge toxic effects are not expected.

11.2 Akute Wirkungen (akute Toxizität, Reiz- und Ätzwirkung) / Acute Effects (acute toxicity, Irritant and corrosive effects)

In case of prolonged or frequent skin contact, sensitisation and irritation possible. In case of repeated breathing in of enzyme dust and/or aerosol, allergic reactions, asthmatic bronchitis included, can occur with sensitive persons.

12 Umweltbezogene Angaben / Ecological information

12.1 Ökotoxizität / Ecotoxicity

According to the present state of knowledge negative ecological effects are not expected.

12.2 Mobilität / Mobility

According to the present state of knowledge negative ecological effects are not expected.

12.3 Persistenz und Abbaubarkeit / Persistence and degradability Product is biodegradable.

12.4 Bioakkumulationspotential / Bioaccumulative potential No indication to bioaccumulation potential.

12.5 Ergebnis der Ermittlung der PBT-Eigenschaften / Results of PBT assessment

This substance does not meet the criteria for classification as PBT or vPvB..

12.6 Andere schädliche Wirkungen / Other adverse effects

According to the present state of knowledge negative ecological effects are not expected.

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13 Hinweise zur Entsorgung / Disposal considerations

13.1 Entsorgung / Abfall (Produkt) / Appropriate disposal / product
Dispose of waste according to applicable local, state, and federal regulations.

Empfehlung / Recommendation
None.

13.2 Entsorgung der Verpackung / Appropriate disposal / packaging
Dispose of waste according to applicable local, state, and federal regulations.

14 Angaben zum Transport / Transport information

14.1 Landtransport (ADR/RID/GGVSE) / Land transport (ADR/RID)
No dangerous good in the sense of this transport regulation.

14.2 See (IMDG), Binnen (A.D.N.R.) / Seeschiffstransport (IMDG), Binnenschiffstransport (ADNR)
No dangerous good in the sense of this transport regulation..

14.3 Luft (IATA) / Air transport (IATA)
No dangerous good in the sense of this transport regulation.

15 Rechtsvorschriften / Regulatory information

15.1 EU-Vorschriften / EU-Regulations
Gemäß GHS - Verordnung (EG) 1272/2008 / according to GHS - regulation (EC) 1272/2008
Gefahrensymbole und Gefahrenbezeichnung / hazard symbol(s) and labelling of the product



DANGER.

Gefahrbestimmende Komponente(n) zu Etikettierung / Hazard(ous) component(s) for labelling:

Enzym powder.

H- Sätze / H-phrases

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

P- Sätze / P-phrases

P261 Avoid breathing dust.

P285: In case of inadequate ventilation wear respiratory protection.

P304 + 341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + 311: If experiencing respiratory symptoms: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Besondere Kennzeichnung

15.2 Stoffsicherheitsbeurteilung / Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Besondere Kennzeichnung bestimmter Zubereitungen / Special provisions concerning the labelling of certain preparations

Sensitizing. The product does not contain any ingredients which are listed in the Annexe I of the EEC-Directive 67/548 as hazardous substances. Yet according to the interpretation of the EEC-Directive 88/379 it is considered as hazardous preparation.

Cut-off limit for mixtures containing sensitizers: 1% hazard warning and 0.1% allergy warning.

15.3 Nationale Vorschriften / National regulations

Wassergefährdungsklasse / Water hazard class (WGK): 1 (slightly water polluting substance).

16 Sonstige Angaben / Other information

16.1 Nummer und Wortlaut der H-Sätze unter Abschnitt 3 / Relevant H-phrases under section 3 (Number and full text):
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

16.2 Schulungshinweise Training instructions: None.

16.3 Weitere Informationen / Further information: Please refer to our internet website for more information..

Mit den vorstehenden Angaben, die dem heutigen Stand unserer Kenntnisse und Erfahrungen entsprechen, wollen wir unser Produkt im Hinblick auf etwaige Sicherheitserfordernisse beschreiben, verbinden damit jedoch keine Eigenschaftszusicherungen und Qualitätsbeschreibungen. Bestehende Gesetze und Bestimmungen sind vom Anwender in eigener Verantwortung zu beachten.

With the information given, which complies with our present knowledge and experience, we would like to describe our products in view of possible safety requirements, however we do not combine any warranty of product property or quality. Laws and regulations currently in force, have to be adhered to by the user.

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