

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
Special product. Ingredients: potassium disulphite and vitamin C for beer treatment. Protection against oxidation.

Handelsname / Trade name

BeerProtect.

Artikelnummer / Art.-no.

5110x.

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, 65366 Geisenheim, Germany

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:

The preparation is irritant in the sense of EC directives.

2.2 Andere Gefahren / Other hazard(s):

Contact with acids liberates toxic gas. Irritating to respiratory system. Risk of serious damage to eyes.

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

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

Chemische Bezeichnung / Chemical name: Preparation consisting of: potassium disulphite [CAS-no.:16731-55-8]; [EINECS-No.: 240-795-3]; L(+)-ascorbic acid [CAS-no. 50-81-7], [EINECS-no.200-066-2].

Synonym(e) / Synonyme(s): Potassium metabisulfite, Potassium pyrosulfite / vitamin C.

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

None.

3.2. Zusätzliche Hinweise / Additional information:

No additional information.

4 Erste-Hilfe-Maßnahmen / First aid measures

4.1 Allgemeine Hinweise / General informations

Remove contaminated, soaked clothing immediately.

4.2 Nach Einatmen / In case of inhalation

Remove to fresh air. With persistent health problems take medical advice.

4.3 Nach Hautkontakt / In case of skin contact

Wash off with water and soap immediately. Remove contaminated clothing.

4.4 Nach Augenkontakt / In case of eye contact

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

4.5 Nach Verschlucken / In case of ingestion

Immediately rinse mouth with plenty of water and drink plenty of water. Take medical advice.

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

First aider: Pay attention to self-protection!

5 Maßnahmen zur Brandbekämpfung / Fire-fighting measures

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5.1 Geeignete Löschmittel / Suitable extinguishing media

Suitable extinguishing media: Water, Carbon dioxide (CO₂), Foam, extinguishing powder.

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

Product itself is not combustible. Ambient fire may liberate hazardous vapours. The following may develop in the event of fire: sulfur oxides. Throw down escaping vapours with water. Prevent polluted fire-fighting water from entering surface/ground water.

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

Wear full protective clothing with self-contained breathing apparatus.

6 Maßnahmen bei unbeabsichtigter Freisetzung / Accidental release measures

6.1 Personenbezogene Vorsichtsmaßnahmen / Personal precautions

Avoid generation of dust; do not inhale dusts. Avoid substance contact. Ensure supply of fresh air in closed rooms.

6.2 Umweltschutzmaßnahmen / Environmental precautions

Do not allow to enter sewerage system.

6.3 Verfahren zur Reinigung / Methods for cleaning up

Take up by mechanical means and dispose of appropriately. Avoid dust formation. Clean up affected area with plenty of water.

6.4 Zusätzliche Hinweise / Additional information

No additional information.

7 Handhabung und Lagerung / Handling and Storage

7.1. Handhabung / Handling

Workingplaces should be designed allow cleaning at any time. Avoid generation of dust. Take precautionary measures against electrostatic charge. Observe the usual measures for handling chemicals.

7.2. Lagerung / Lagerbedingung / Storage / storage conditions

Store in a dry, well-ventilated place, protected from foreign odours. Tightly close opened packagings.

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

No substance related limit value available.

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

Mechanical filter respirator, dust mask (B2).

b) Handschutz / Hand protection

Protective gloves.

c) Augenschutz / Eye protection

Safety goggles.

Andere Schutzmaßnahmen / Additional protection measures:

Keep away from foodstuffs. Avoid prolonged and intense skin contact. Avoid eye contact. Wash hands/face after work.

8.2.2. Begrenzung und Überwachung der Umweltexposition / Environmental exposure controls

See section 7. No additional 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.

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9 Physikalische und chemische Eigenschaften / Physical and chemical Properties

9.1 Erscheinungsbild / Appearance

Form / Physical state: Crystalline powder.
Farbe / Colour: Whitish.
Geruch / Smell: Slightly pungent (SO₂).

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

Schüttgewicht / Bulk density: ~ 1080 kg/m³.
Dichte / density: Not applicable.
pH-Wert (20 °C) / pH-value: 3-3.5 (suspension 2 %)
Schmelzpunkt / Melting point : Decomposition as of 160 °C.
Siedepunkt / Boiling temperature : No data available.
Selbstentzündlichkeit / Autoignition :: No autoignition.
Explosionsgefahr / Explosive properties: Product is not explosive.
Wasserlöslichkeit / Water solubility: Well soluble in water.

10 Stabilität und Reaktivität / Stability and Reactivity

10.1 Zu vermeidende Bedingungen / Conditions to avoid

Strong heating. Decomposition takes place at temperatures above 160 °C.

10.2 Zu vermeidende Stoffe / Materials to avoid

Nitrites, nitrates, strong oxidizing agents, aluminium, copper, copper alloy, zinc.

10.3 Gefährliche Zersetzungsprodukte / Hazardous decomposition products

Sulphur dioxide. With heating > 190 °C ascorbic acid carbonises under volume enlargement.

11 Toxikologische Angaben / Toxicological information

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

Acute oral toxicity (LD₅₀): > 2300 mg / kg (species: rat)..

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

Irritating to eyes and respiratory system.

12 Umweltbezogene Angaben / Ecological information

12.1 Ökotoxizität / Ecotoxicity

Fish toxicity: LC₅₀/Danio rerio/ 460 - 1000 mg/l/96 h

Bacterial toxicity: Pseudomonas putida EC/ LC₅₀ (17 h): 65 mg/l

12.2 Mobilität / Mobility

No data available.

12.3 Persistenz und Abbaubarkeit / Persistence and degradability Inorganic substances cannot be removed from water by biological methods.

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

Harmful effect due to pH shift. Do not allow to enter waters, waste water, or soil. Strongly oxygen-consuming with negative effect for living organisms.

13 Hinweise zur Entsorgung / Disposal considerations

13.1 Entsorgung / Abfall (Produkt) / Appropriate disposal / product

Dispose of waste in accordance with applicable local, state, and federal regulations.

Empfehlung / Recommendation

None.

13.2 Entsorgung der Verpackung / Appropriate disposal / packaging

Dispose of waste in accordance with applicable local, state, and federal regulations.

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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

Irritant according to EC Directives.

15.1.1 Stoffsicherheitsbeurteilung / Chemical Safety Assessment

Gefahrensymbole und Gefahrenbezeichnungen / Gefahrensymbol(e) und Gefahrenbezeichnung(en)



Xi - Irritant.

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

Potassium disulphite.

R- Sätze / r-phrases

R31 Contact with acids liberates toxic gas.

R37/41 Irritating to respiratory system. Risk of serious damage to eyes.

S- Sätze / S-phrases

S26/39 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

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

Adhere to the EC directives.

15.2 Nationale Vorschriften / National regulations

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

16 Sonstige Angaben / Other information

16.1 Wortlaut der R-Sätze unter Abschnitt 2 / Relevant R-phrases (Number and full text): In case of contact with acid, poisonous gas is generated. Irritating to respiratory system. Risk of severe eye damage.

16.1 Schulungshinweise Training instructions: None.

16.1 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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