

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
For the elimination of hydrogen sulphide odour and similar off-smell in wine.

Handelsname / Trade name

Kupfat.

Artikelnummer / Art.-no.

5004x.

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:

The substance is hazardous to health and environment in the sense of EU legislation.

2.2 Andere Gefahren / Other hazard(s):

No special remarkable hazards for human and environment.

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

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

Chemische Bezeichnung / Chemical name: : Copper-(II)-sulphate-5-hydrate, CAS No. 7758-98-7, EG-No. 231-847-6

Synonym(e) / Synonyme(s): None.

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 information

No special measures are necessary.

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

Rinse mouth thoroughly and drink plenty of water. Consult doctor.

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

First aider: Pay attention to self-protection!.

Printed on:	Version:	Date / by:	Page
23.06.2015	003	03/2015 / MM	Seite 1 von 5 (SD_Kupfat_GB_003.docx)

5 Maßnahmen zur Brandbekämpfung / Fire-fighting measures

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

No special hazards.

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

Wear full protective clothing.

6 Maßnahmen bei unbeabsichtigter Freisetzung / Accidental release measures

6.1 Personenbezogene Vorsichtsmaßnahmen / Personal precautions

Avoid generation of dust. Danger of slipping when material is spilt and comes into contact with water.

6.2 Umweltschutzmaßnahmen / Environmental precautions

Prevent from flowing off into the sewage system, ground water, water ways.

6.3 Verfahren zur Reinigung / Methods for cleaning up

Take up by mechanical or pneumatic means and dispose of appropriately. Avoid dust formation. Rinse with warm water.

Product has to be disposed of completely due to the danger of slipping in case of contact with water.

6.4 Zusätzliche Hinweise / Additional information

No additional information.

7 Handhabung und Lagerung / Handling and Storage

7.1. Handhabung / Handling

Working places should be designed to allow cleaning at any time. Avoid generation of dust.

7.2. Lagerung / Lagerbedingung / Storage / storage conditions

Store in a cool, dry, well-ventilated place, protected from foreign odours. Reseal opened packages tightly.

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 limiting 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 P2.

b) Handschutz / Hand protection

Protective gloves.

c) Augenschutz / Eye protection

Safety goggles.

Andere Schutzmaßnahmen / Additional protection measures:

When using do not eat, drink, smoke, sneeze. Avoid dust formation. Suck off, if necessary.

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.

Printed on:	Version:	Date / by:	Page
23.06.2015	003	03/2015 / MM	Seite 2 von 5 (SD_Kupfat_GB_003.docx)

9 Physikalische und chemische Eigenschaften / Physical and chemical Properties

9.1 Erscheinungsbild / Appearance

Form / Physical state: crystals.
Farbe / Colour: blue.
Geruch / Smell: neutral.

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: 2,28 g/cm³.
pH-Wert (20 °C) / pH-value: 3,5-4,5 (Suspension 5 %)
Schmelzpunkt / Melting point : 340 - 650 °C.
Siedepunkt / Boiling temperature : No data available.
Selbstentzündlichkeit / Autoignition :: No self-ignition.
Explosionsgefahr / Explosive properties: Product is not explosive.
Wasserlöslichkeit / Water solubility: 317 g/L.

10 Stabilität und Reaktivität / Stability and Reactivity

10.1 Zu vermeidende Bedingungen / Conditions to avoid

Heating (decomposition) at > 110°C.

10.2 Zu vermeidende Stoffe / Materials to avoid

Strong oxidizing agents, hydroxylamine, magnesium.

10.3 Gefährliche Zersetzungsprodukte / Hazardous decomposition products

Sulphur oxides (SO_x).

11 Toxikologische Angaben / Toxicological information

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

LD50 (dermal, rat): > 2500 mg/kg.

LD50 (oral, rat): 960 mg/kg.

LD50 (oral, human): > 1088 mg/kg.

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

Mycodermatitis, cough, heavy breathing after inhalation. Metal vapour fever after inhalation of large quantities. In case of dust formation: conjunctivitis. Danger of corneal lesion. If swallowed: stomachache, vomiting, diarrhoea, hypotension, tachycardie, collapse, acidosis. After latency: death.

12 Umweltbezogene Angaben / Ecological information

12.1 Ökotoxizität / Ecotoxicity

Very toxic to aquatic life with long lasting effects. Fungicide.

Toxicity on fish: *Onchorhynchus mykiss* LC 50: 0,03 mg/l/ 96 h

Daphnientoxizität: *Daphnia magna* EC50: 0,2 mg/l/ 48 h

12.2 Mobilität / Mobility

No data available.

12.3 Persistenz und Abbaubarkeit / Persistence and degradability

Copper is not 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

Prevent from flowing off into sewage system, ground water or water ways.

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.

Printed on:	Version:	Date / by:	Page
23.06.2015	003	03/2015 / MM	Seite 3 von 5 (SD_Kupfat_GB_003.docx)

14 Angaben zum Transport / Transport information

14.1 Landtransport (ADR/RID/GGVSE) / Land transport (ADR/RID)

UN 3077 Environmentally hazardous substance, solid; class 9; N.O.S. PG III.

14.2 See (IMDG), Binnen (A.D.N.R.) / Seeschiffstransport (IMDG), Binnenschiffstransport (ADNR)

UN 3077 Environmentally hazardous substance, solid; class 9; N.O.S. PG III.

Proper Shipping Name: Environmentally hazardous substance, solid, N.O.S. (Copper-(II)-sulphate-pentahydrate).

14.3 Luft (IATA) / Air transport (IATA)

UN 3077 Environmentally hazardous substance, solid; class 9; N.O.S. PG III.

Systematic technical name: Environmentally hazardous substance, solid, N.O.S. (Copper-(II)-sulphate-pentahydrate).

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



WARNING.

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

Copper sulfate.

H- Sätze / H-phrases

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H410: Very toxic to aquatic life with long lasting effects.

P- Sätze / P-phrases

P273: Avoid release to the environment.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Please adhere to EU legislation.

15.3 Nationale Vorschriften / National regulations

Wassergefährdungsklasse / Water hazard class (WGK): 2 (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):

H302: Harmful if swallowed. H319: Causes serious eye irritation. H315 Causes skin irritation. H410: Very toxic to aquatic life with long lasting effects.

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.

Printed on:	Version:	Date / by:	Page
23.06.2015	003	03/2015 / MM	Seite 4 von 5 (SD_Kupfat_GB_003.docx)