

FOSS

SAFETY DATA SHEET

Kjeltabs Cu/3,5, Kjeltabs Cu/4,5

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 04.11.2014

Revision date 12.09.2017

1.1. Product identifier

Product name Kjeltabs Cu/3,5, Kjeltabs Cu/4,5

Article no. P/N nr.: 60046515, 60046518

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

Use of the substance/preparation For laboratory use for Kjeltac (TM) Systems

1.3. Details of the supplier of the safety data sheet

Company name FOSS A/S

Postal address Foss Allé 1

Postcode 3400

City Hillerød

Country Danmark

Tel +45 7010 3370

E-mail RegulatorySupport@Foss.dk

1.4. Emergency telephone number

Emergency telephone Tel: 111

Description: UK: NHS

Description: Poison Control Centers may be available in specific States.

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Irrit. 2; H315
	Eye Irrit. 2; H319
	Aquatic Acute 1; H400
	Aquatic Chronic 1; H410

2.2. Label elements

Hazard Pictograms (CLP)



Signal word	Warning
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear eye protection/protective gloves. P332+P313 If skin irritation occurs: Get medical advice / attention. P337+P313 If eye irritation persists: Get medical advice / attention. P391 Collect spillage.

2.3. Other hazards

PBT / vPvB	Not relevant.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Copper (II) sulfate pentahydrate	CAS no.: 7758-99-8	Acute tox. 4; H302	10 < 20 %
	EC no.: 231-847-6	Skin Irrit. 2; H315	
	Index no.: 029-004-00-0	Eye Irrit. 2; H319	
		Aquatic Acute 1; H400 Aquatic Chronic 1; H410	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

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

General symptoms and effects See section 11 for more detailed information on health effects and symptoms.

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

Medical treatment Not known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards When heated and in case of fire, toxic vapours/gases may be formed.

5.3. Advice for firefighters

Fire fighting procedures Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures Avoid inhalation of dust. Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

Environmental precautionary measures Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up

Cleaning method Collect spillage with shovel, broom or the like. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Other instructions For personal protection, see section 8.
For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Avoid inhalation of dust and contact with skin and eyes.
Avoid spread of dust.
Use only in an exhaust hood.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed. Protect from sunlight. Protect from moisture. Store at room temperature.

Conditions for safe storage

Additional information on storage conditions.	TRANSPORT CONDITIONS: Temperature not critical.
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7.3. Specific end use(s)

Specific use(s)	Not relevant.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Limitation of exposure on workplace	Provide adequate ventilation. The risk of inhalation of dust must be minimised as much as possible. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
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Eye / face protection

Eye protection	Risk of splashes: Wear goggles/face shield.
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Hand protection

Hand protection	Risk of contact: Wear protective gloves. Nitrile gloves are recommended.
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Respiratory protection

Respiratory protection	In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).
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Appropriate environmental exposure control

Environmental exposure controls	No data recorded.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Tablets.
Colour	Blue speckled
Odour	Odourless.
pH	Status: In delivery state Comments: Not relevant.
Melting point / melting range	Comments: Not entered.
Boiling point / boiling range	Comments: Not entered.
Flash point	Comments: Not entered.
Explosion limit	Comments: Not relevant.
Specific gravity	Comments: Not entered.
Solubility description	Soluble in water.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	Not relevant.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not known.
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10.2. Chemical stability

Stability	Stable.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not known.
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10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid	None in particular.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Inhalation	Dust may irritate throat and respiratory system and cause coughing.
Skin contact	Irritating to skin.
Eye contact	Dust in the eyes will cause irritation. Risk of corneal damage.
Ingestion	Irritating. May cause nausea, stomach pain and vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
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12.2. Persistence and degradability

Persistence and degradability description	The product solely consists of inorganic compounds which are not biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT assessment results	Not relevant.
vPvB evaluation results	Not relevant.

12.6. Other adverse effects

Other adverse effects / Remarks	None known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements.
EWG waste code	EWG: 16 05 06 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals

SECTION 14: Transport information

14.1. UN number

ADR / RID / ADN	3077
IMDG	3077
ICAO/IATA	3077

14.2. UN proper shipping name

ADR / RID / ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

ADR / RID / ADN	9
IMDG	9
ICAO/IATA	9

14.4. Packing group

ADR / RID / ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	Yes
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14.6. Special precautions for user

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

ADR / RID - Other information

Hazard no.	90
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IMDG / ICAO / IATA Other information

EmS	F-A, S-F
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Other Label Information	As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
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15.2. Chemical safety assessment**SECTION 16: Other information**

List of relevant H-phrases (Section 2 and 3).	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Additional information	Classification according to Regulation (EC) No. 1272/2008: Calculation method.
Key literature references and sources for data	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. 2001/118/EC: Commission Decision of 16 January 2001 amending Decision 2000/532/EC as regards the list of wastes. Directives 67/548/EEC on dangerous substances and 1999/45/EC on dangerous preparations, including amendments. Council directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments. 2001/118/EC: Commission Decision of 16 January 2001 amending Decision 2000/532/EC as regards the list of wastes.