



SAFETY DATA SHEET

Kjeltabs CK

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

1.1. Product identifier

Product name Kjeltabs CK

Product number AA17

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

Identified uses Catalyst.

1.3. Details of the supplier of the safety data sheet

Supplier Thompson and Capper
 Hardwick Road
 Astmoor Industrial Estate
 Runcorn
 Cheshire
 WA7 1PH
 T:+44(0)1928 573734
 F:+44(0)1928 580694
 enquiries@thompsonandcapper.com

Manufacturer Thompson and Capper
 Hardwick Road
 Astmoor Industrial Estate
 Runcorn
 Cheshire
 WA7 1PH
 T:+44(0)1928 573734
 F:+44(0)1928 580694
 enquiries@thompsonandcapper.com

1.4. Emergency telephone number

Emergency telephone +44(0)1928 573734 (0800 - 1700)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Dam. 1 - H318

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



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Signal word	Danger
Hazard statements	H318 Causes serious eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of 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. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
Contains	Copper Sulphate Pentahydrate
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Potassium sulphate	90%
CAS number: 7778-80-5	EC number: 231-915-5
	REACH registration number: 01-2119489441-34
Classification	
Not Classified	
Copper Sulphate Pentahydrate	10%
CAS number: 7758-99-8	EC number: 231-847-6
	REACH registration number: 05-2114719065-53-0000
M factor (Acute) = 10	M factor (Chronic) = 1
Classification	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Consult a physician for specific advice.

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Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No data available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of: Copper. Sulphur.
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5.3. Advice for firefighters

Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of dust and vapours. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains. Avoid release to the environment.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid contact with skin and eyes. Avoid generation and spreading of dust. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

Copper Sulphate Pentahydrate (CAS: 7758-99-8)

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station. Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Tablet
Colour	Blue speckled
Odour	Odourless.
Solubility(ies)	Soluble in water.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No data available.

10.2. Chemical stability

Stability No data available.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No data available.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with water.

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10.5. Incompatible materials

Materials to avoid Powdered metal. Magnesium.

10.6. Hazardous decomposition products

Hazardous decomposition products No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,854.37

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Toxicological information on ingredients.

Copper Sulphate Pentahydrate

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, : 0.7 mg/l, Lepomis macrochirus (Bluegill)
LC₅₀, : 0.6 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 96 hours: 0.6 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.024 mg/l, Daphnia magna

Ecological information on ingredients.

Potassium sulphate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 3550 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 890 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 2900 mg/l, Algae

Copper Sulphate Pentahydrate

Toxicity Very toxic to aquatic organisms.

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

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Acute toxicity - fish	LC50, : 0.7 mg/l, Lepomis macrochirus (Bluegill) LC50, : 0.6 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours: 0.6 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.024 mg/l, Daphnia magna
<u>Chronic aquatic toxicity</u>	
M factor (Chronic)	1

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

Potassium sulphate

Persistence and degradability There are no data on the degradability of this product.

Copper Sulphate Pentahydrate

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

Potassium sulphate

Bioaccumulative potential No data available on bioaccumulation.

Copper Sulphate Pentahydrate

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No data available.

Ecological information on ingredients.

Potassium sulphate

Mobility The product is miscible with water and may spread in water systems.

Copper Sulphate Pentahydrate

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Potassium sulphate

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Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Copper Sulphate Pentahydrate

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Ecological information on ingredients.

Potassium sulphate

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3077

UN No. (IMDG) 3077

UN No. (ICAO) 3077

14.2. UN proper shipping name

Proper shipping name (ADR/RID) Environmentally Hazardous Substance, Solid, NOS (contains Copper Sulphate Pentahydrate)

Proper shipping name (IMDG) Environmentally Hazardous Substance, Solid, NOS (contains Copper Sulphate Pentahydrate)

Proper shipping name (ICAO) Environmentally Hazardous Substance, Solid, NOS (contains Copper Sulphate Pentahydrate)

Proper shipping name (ADN) Environmentally Hazardous Substance, Solid, NOS (contains Copper Sulphate Pentahydrate)

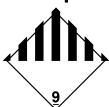
14.3. Transport hazard class(es)

ADR/RID class 9

IMDG class 9

ICAO class/division 9

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

