



SAFETY DATA SHEET

Kjeltabs KS

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

1.1. Product identifier

Product name Kjeltabs KS

Product number AA47

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

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 Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

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

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Potassium sulphate		99%
CAS number: 7778-80-5	EC number: 231-915-5	REACH registration number: 01-2119489441-34
Classification Not Classified		
SELENIUM		1.0%
CAS number: 7782-49-2	EC number: 231-957-4	REACH registration number: 05-2114099336-39-000
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Chronic 4 - H413		

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

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 specific recommendations. If in doubt, get medical attention promptly.
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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

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Fire creates: Oxides of: Sulphur.

5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.
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Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains.

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. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions No specific recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container dry. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

SELENIUM

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit.

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

8.2. Exposure controls

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear a suitable dust mask.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

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Respiratory protection Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Tablet
Colour	Grey.
Odour	Odourless.
pH	pH (concentrated solution): 5.5 - 7.5
Melting point	1069°C
Initial boiling point and range	1689°C @ 1013 hPa
Solubility(ies)	Soluble in water.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid heat.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 10,000.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 50.0

Toxicological information on ingredients.

SELENIUM

Acute toxicity - oral

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ATE oral (mg/kg)	100.0
<u>Acute toxicity - inhalation</u>	
ATE inhalation (dusts/mists mg/l)	0.5

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 3550 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 890 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 2900 mg/l, Algae

Ecological information on ingredients.

Potassium sulphate

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 3550 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 890 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 2900 mg/l, Algae

SELENIUM

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 1 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours: 1 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.43 mg/l, Daphnia magna EC ₅₀ , 48 hours: 0.43 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: > 100 mg/l, Selenastrum capricornutum IC ₅₀ , 72 hours: 99 mg/l, Algae

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.

SELENIUM

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

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

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Ecological information on ingredients.

Potassium sulphate

Bioaccumulative potential No data available on bioaccumulation.

SELENIUM

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

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

Ecological information on ingredients.

Potassium sulphate

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

SELENIUM

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

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

SELENIUM

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

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

Potassium sulphate

Other adverse effects Not determined.

SELENIUM

Other adverse effects The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

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. Avoid the spillage or runoff entering drains, sewers or watercourses.

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SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation 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 (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 22/11/2022

Revision 10

Hazard statements in full H301 Toxic if swallowed.
H331 Toxic if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H413 May cause long lasting harmful effects to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.