

**SAFETY DATA SHEET****Setenzim Super M Konz**

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** Setenzim Super M Konz**Product number** E0530**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Concentrated liquid cellulase for denim and textile finishing**1.3. Details of the supplier of the safety data sheet****Supplier** Setaş Kimya Sanayi A.Ş.  
Organized Industrial Zone  
Karaagaç district. 9. Street No:3  
59520 Kapaklı  
Tekirdağ, Türkiye  
web:www.setas.com.tr  
+90 (282) 758 1823  
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santral@setas.com.tr**Contact person** Ecology & Product Safety**Manufacturer** Setaş Kimya Sanayi A.Ş.  
Organized Industrial Zone  
Karaagaç district. 9. Street No:3  
59520 Kapaklı  
Tekirdağ, Türkiye  
web:www.setas.com.tr  
+90 (282) 758 1823  
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santral@setas.com.tr**1.4. Emergency telephone number****Emergency telephone** SETAŞ:+90 282 758 18 23**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)****Physical hazards** Not Classified**Health hazards** Resp. Sens. 1 - H334**Environmental hazards** Not Classified**Human health** Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Harmful by inhalation and in contact with skin.

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**Environmental** The product is not expected to be hazardous to the environment.

### 2.2. Label elements

#### Pictogram



**Signal word** Danger

**Hazard statements** H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precautionary statements** P261 Avoid breathing vapour/ spray.  
P284 [In case of inadequate ventilation] wear respiratory protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** CELLULASE

### 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

<b>CELLULASE</b>	-
CAS number: 9012-54-8	EC number: 232-734-4
<b>Classification</b> Resp. Sens. 1 - H334	

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

**Composition comments** highly concentrated acid cellulase

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

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**General information** Treat symptomatically.

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

**Notes for the doctor** No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!  
If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out. Avoid breathing fire gases or vapours. Fight fire from safe distance or protected location.

**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** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes and prolonged skin contact.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

### 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** WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

##### Eye/face protection

Wear chemical splash goggles.

##### Hand protection

Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex).

##### 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 at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

##### Respiratory protection

Wear a respirator fitted with the following cartridge: Organic vapour filter.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Light brown.
<b>Odour</b>	Sweetish.
<b>pH</b>	pH (concentrated solution): 3,50-5,50
<b>Solubility(ies)</b>	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** No particular stability concerns.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not available.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid the accumulation of vapours in low or confined areas.

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### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong alkalis. Strong oxides.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Harmful in contact with skin.

**Eye contact** Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 330 mg/l, Algae

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1064 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 1033 mg/l, Fish

### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is non-volatile. The product is soluble in water.

### 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.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

### SECTION 14: Transport information

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

**Road transport notes** Not classified.

**Rail transport notes** Not classified.

**Sea transport notes** Not classified.

**Air transport notes** Not classified.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 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

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Key literature references and sources for data** This SDS is prepared based on the information received from the product raw material.

**Issued by** Meltem BAYRAM TURKAK Personnel TS EN ISO IEC 17024 / AB-0031-P-certified safety data sheet author  
Certificate No: 01.60.21

**Revision date** 20/06/2016

## Setenzim Super M Konz

<b>Revision</b>	0.102
<b>Supersedes date</b>	09/10/2013
<b>SDS number</b>	10451
<b>Hazard statements in full</b>	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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.