

**SAFETY DATA SHEET**  
according to Regulation (EC) No 1907/2006, Annex II

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**PREMNOX C 4**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Trade name:** Premnox C 4  
**Chemical name:** Catalase enzyme preparation  
**Use of the substance/preparation:** Textile auxiliary

**1.2 Details of the supplier of the safety data sheet**

İndigo Kimya ve Tekstil Sanayi Tic.Ltd.Şti.  
**Telephone:** 0212 486 07 07  
**Fax:** 0212 486 30 22  
**e-mail:** [info@indigokimya.com.tr](mailto:info@indigokimya.com.tr)  
**Web:** [www.indigokimya.com](http://www.indigokimya.com)  
**Emergency telephone number:** The poison information center 114

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture**

**According to regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Classification of the Substance or Mixture

Respiratory or skin sensitisation: Respiratory Sensitisation, Cat. 1B

**Possible Hazards according Directive 67/548/EEC or 1999/45/EC**

May cause sensitization by inhalation.

**3.2 Label elements**

Pictograms:



health hazard

Signal word:

Danger

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Page: 2/7**PREMNOX C 4**Hazard Statements:

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

Precautionary Statements (Prevention):

P261 Avoid breathing dust/fume/mist/vapours/spray.

P285 In case of inadequate ventilation wear respiratory protection.

Precautionary Statements (Response):

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**2.3 Other hazards**

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

**BÖLÜM 3: BİLEŞİMİ/İÇİNDEKİLER HAKKINDA BİLGİ**

Catalase	
EINECS, ELINCS, NLP	232-577-1
CAS	Cas 9001-05-2
Content%	1-5
Classification according to Directive 67/548/EEC	Xn, R42
Classification according to Regulation (EC) 1272/2008 (CLP)	Resp. Sens. 1B, H334

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Remove all contaminated clothing immediately. Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted.

After ingestion: Rinse mouth out immediately. In case of swallowing drink plenty of water. Do not induce vomiting. Consult a doctor.

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

Please see hazard statements in section 2.2 if given and information in this section if stated.

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

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

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**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable extinguishing media: water mist, foam, dry powder

Extinguishing media that must not be used for safety reasons: CO<sub>2</sub>

**5.2 Special hazards arising from the substance or mixture**

not determined

**5.3 Advice for firefighters**

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Use the necessary personal protection equipment during any work

**6.2 Environmental precautions**

Environmental precautions: Do not empty into drains or waters

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up/taking up: Take up with absorbent material (eg sand, kieselguhr, universal binder).

**6.4 Reference to other sections**

Additional information: For further disposal measures see chapter 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Advice on safe handling: not determined

Advice on protection against fire and explosion: No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage rooms and vessels: not determined

Further information on storage conditions: Recommended storage temperature: +3 °C to +40 °C

**7.3 Specific end use(s)**

not determined

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Specific end use(s)**

**8.2 Exposure controls**

General protective measures: not determined

Hygiene measures: Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection : Provide good ventilation.

Hand protection : Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection : tightly fitting safety glasses

Body protection : Wear protective clothing.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Physical state:** Liquid

**Colour:** Brown

**Odour:** Slight fermentation odor

**9.2 Other information**

**pH:** 5.0 ± 0.5

**Solubility in water :** miscible in all proportions

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2 Chemical stability**

Thermal decomposition No thermal decomposition when stored and handled correctly

**10.3 Possibility of hazardous reactions**

Hazardous reactions: No hazardous reaction when used as directed.

Hazardous decomposition products: Not applicable

**10.4 Conditions to avoid**

For avoidable conditions: not necessary

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**10.5 Incompatible materials**

For avoidable materials: not necessary

**10.6 Hazardous decomposition products**

Not applicable

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

Acute oral toxicity :	LD50 > 5.000 mg/kg (rat)
Acute inhalation toxicity :	not determined
Acute dermal toxicity :	not determined
Irritant effect on skin :	slightly irritant (rabbit)
Irritant effect on eyes :	slightly irritant (rabbit eye)
Repeated dose toxicity:	not determined
Teratogenicity :	not necessary
Carcinogenicity :	not necessary
Mutagenicity:	No mutagenic response in the Ames-Test.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Fish toxicity :	LC50 > 100 mg/l (96 h, rainbow trout)
Algae toxicity :	not determined
Bacteria toxicity :	EC50 > 100 mg/l (waste water bacteria)

**12.2 Persistence and degradability**

Physico-chemical eliminability :	not determined
Biodegradability :	> 90 % OECD 302 B, The product is readily biodegradable according to OECD criteria.

Behaviour in environmental compartments:	not determined
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Dissolved Organic carbon (DOC) :	not determined
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**12.3 Bioaccumulative potential**

not determined

**12.4 Mobility in soil**

not determined



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#### 12.5 Results of PBT and vPvB assessment

not determined

#### 12.6 Other adverse effects

not determined

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e. g. by incineration in a suitable plant.

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

### SECTION 14: TRANSPORT INFORMATION

ADR	Non dangerous goods
ADNR	Non dangerous goods
RID	Non dangerous goods
IMDG	Non dangerous goods
IATA_C	Non dangerous goods
IATA_P	Non dangerous goods

#### 14.1 UN number

See above entry at the respective regulation.

#### 14.2 UN proper shipping name

See above entry at the respective regulation.

#### 14.3 Transport hazard class(es)

See above entry at the respective regulation.

#### 14.4 Packing group

See above entry at the respective regulation.

#### 14.5 Environmental hazards

See above entry at the respective regulation.

#### 14.6 Special precautions for user

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Non-dangerous material according to Transport Regulations.



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## SECTION 15: REGULATORY INFORMATION

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

Labelling according Directive 67/548/EEC or 1999/45/EC:

Hazard symbols: Xn Harmful

contains: catalase

R42 : May cause sensitization by inhalation.

TA-Luft (Ger.) : Not applicable

Water Hazard Class (Ger.) : WGK 1 - slightly hazardous to water WGK = Classification in accordance with the German Water Resources Act Annex 3 VwVwS (Germany) dated Mai, 17th 1999

## SECTION 16: OTHER INFORMATION

Text of all shortcuts referred to in sections 2 and 3:

Xn Harmful

42 May cause sensitization by inhalation.

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

Resp. Sens. 1B Respiratory or skin sensitisation: Respiratory Sensitisation, Cat. 1B

Information in this MSDS are based on our current knowledge and the only possible use includes safety requirements. This information does not guarantee any property. To comply with applicable laws and regulations with the product / the responsibility of the wearer.