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**PREMSOFT 8000 L****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Trade name: Premsoft 8000 L

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

Manufacture of textiles

Uses advised against: No information available at present.

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

İndigo Kimya ve Tekstil Sanayi Tic.Ltd.Şti.

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Emergency telephone number: The poison information center 114

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)**

| Hazard class | Hazard category | Hazard statement  |
|--------------|-----------------|---|
| Resp. Sens.  | 1               | H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled. |

**2.1.2 Classification according to Directives 67/458/EEC and 1999/45/EC (including amendments).**

Sensitizing, R42

**2.2 Label elements**

Hazard Statements:

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

P261- Avoid breathing vapours or spray.

P284- Wear respiratory protection.

P304+P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

**Signal word:**

Danger

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**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.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**
**3.1 Substance**

n.a.

**3.2 Mixture**

|   |   |
|---|---|
| <b>Cellulase</b>  |   |
| EINECS, ELINCS, NLP   | 232-734-4   |
| CAS   | Cas 9012-54-8   |
| Content%  | 1-7   |
| Classification according to Directive 67/548/EEC                | Xn, R42   |
| Classification according to Regulation (EC) 1272/2008 (CLP)     | Resp. Sens. 1, H334   |
| <b>Enzymatic proteins (by-product, not otherwise specified)</b> |   |
| EINECS, ELINCS, NLP   | –   |
| CAS   | Cas n.v.  |
| Content%  | 1-4   |
| Classification according to Directive 67/548/EEC                | Xn, R42   |
| Classification according to Regulation (EC) 1272/2008 (CLP)     | Resp. Sens. 1, H334   |
| <b>1,2-benzisothiazol-3(2h)-one</b>                             |   |
| EINECS, ELINCS, NLP   | 220-120-9   |
| CAS   | Cas 2634-33-5   |
| Content%  | 0,005 -< 0,05   |
| Classification according to Directive 67/548/EEC                | Harmful, Xn, R22<br>Irritant, Xi, R38<br>Irritant, Xi, R41<br>Sensitizing, R43<br>Dangerous for the environment, N, R50 |
| Classification according to Regulation (EC) 1272/2008 (CLP)     | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=10)     |

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**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Inhalation:** Remove person from danger area.  
Supply person with fresh air and consult doctor according to symptoms.
- Eye contact:** Remove contact lenses.  
Wash thoroughly for several minutes using copious water.  
Seek medical help if necessary.
- Skin contact:** Wash thoroughly using copious water-remove contaminated clothing immediately.  
If skin irritation occurs (redness etc.), consult doctor.
- Ingestion:** Rinse the mouth thoroughly with water.  
Give copious water to drink. Consult doctor if necessary.

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

- irritation of the eyes  
With long-term contact:  
Irritation of the skin.  
Sensitive individuals:  
Allergic reaction  
In case of sensitivity, concentrations below the limit value may already result in asthmatic symptoms.  
Respiratory distress  
Delayed effects from exposure can be expected.

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

n.c.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Suitable extinguishing media:**

Water jet spray/alcohol resistant foam/CO2/dry extinguisher

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

In case of fire the following can develop:

- Oxides of carbon  
Oxides of nitrogen  
Toxic pyrolysis products.

**5.3 Advice for firefighters**

- In case of fire and /or explosion do not breathe fumes.  
Protective respirator with independent air supply.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Ensure sufficient supply of air. Avoid inhalation, and contact with eyes or skin. If applicable, caution-risk of slipping

**6.2 Environmental precautions**

If leakage occurs, dam up. Prevent from entering drainage system.

Inform the competent authorities when water or canalisation has been infiltrated.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Flush residue using copious water. Clean soiled bottles immediately.

**6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Ensure good ventilation. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

No contact with products of this type in case of allergies, asthma and chronic respiratory tract disorders.

Observe directions on label and instructions for use. Use working methods according to operating instructions. General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Keep out of access to unauthorised individuals. Store product closed and only in original pcking. Not to be stored in gangways or stair wells. Store cool. Do not store over 10 °C.

**7.3 Specific end use(s)**

not determined

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

**8.1 Control parameters**

–

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction.

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If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

**8.2.2 Individual protection measures, such as personal protective equipment**

General hygiene measures for the handling of chemicals are listed here.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

|                                |   |
|--------------------------------|---|
| <b>Eye protection:</b>         | Tight fitting protective goggles with side protection (EN 166)  |
| <b>Hand protection:</b>        | Rubber gloves (EN 374)<br>Protective nitrile gloves (EN 374)  |
| <b>Skin protection:</b>        | Protective working garments (e.g. Safety shoes EN ISO 20345, long-sleeved protective working garments)  |
| <b>Respiratory protection:</b> | Normally not necessary.<br>If fumes build up, use suitable breathing mask.<br>with formation of mist.<br>Filter A2P2 (EN 14387), code colour brown, white<br>Observe wearing time limitations for respiratory protection equipment. |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

|                             |                |
|-----------------------------|----------------|
| <b>Physical state:</b>      | Liquid         |
| <b>Colour:</b>              | Dark brown     |
| <b>Odour:</b>               | Characteristic |
| <b>pH:</b>                  | 4.5 ± 0.5      |
| <b>Melting point:</b>       | not determined |
| <b>Flash point:</b>         | not determined |
| <b>Evaporation rate:</b>    | not determined |
| <b>Viscosity:</b>           | not determined |
| <b>Solubility in water:</b> | Not determined |

**9.2 Other information**

|                                |                |
|--------------------------------|----------------|
| <b>Miscibility:</b>            | Not determined |
| <b>Fat solubility/solvent:</b> | Not determined |
| <b>Conductivity:</b>           | Not determined |

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**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

The product has not been tested.

**10.2 Chemical stability**

Stable with proper storage and handling.

**10.3 Possibility of hazardous reactions**

No dangerous reactions are known.

No decomposition if used as intended.

**10.4 Conditions to avoid**

See also section 7.

Strong heat

**10.5 Incompatible materials**

Avoid contact with other chemicals. Avoid contact with oxidizing agents. Avoid contact with strong alkalis.

Avoid contact with strong acids.

**10.6 Hazardous decomposition products**

See also section 5.2

No decomposition when used as directed.

**SECTION 11: TOXICOLOGICAL INFORMATION**

| PREMSOFT 8000 L   |          |       |      |          |             |       |
|---|----------|-------|------|----------|-------------|-------|
| Toxicity/effect   | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route:                                  |          |       |      |          |             | n.d.a |
| Acute toxicity, by dermal route:                                |          |       |      |          |             | n.d.a |
| Acute toxicity, by inhalation:                                  |          |       |      |          |             | n.d.a |
| Skin corrosion/irritation:                                      |          |       |      |          |             | n.d.a |
| Serious eye damage/irritation:                                  |          |       |      |          |             | n.d.a |
| Respiratory or skin sensitisation:                              |          |       |      |          |             | n.d.a |
| Germ cell mutagenicity:   |          |       |      |          |             | n.d.a |
| Carcinogenicity:  |          |       |      |          |             | n.d.a |
| Reproductive toxicity   |          |       |      |          |             | n.d.a |
| Specific target organ toxicity-<br>single exposure (STOT-SE):   |          |       |      |          |             | n.d.a |
| Specific target organ toxicity-<br>repeated exposure (STOT-RE): |          |       |      |          |             | n.d.a |
| Aspiration hazard:  |          |       |      |          |             | n.d.a |
| Respiratory tract irritation:                                   |          |       |      |          |             | n.d.a |
| Repeated dose toxicity:   |          |       |      |          |             | n.d.a |
| Symptoms:   |          |       |      |          |             | n.d.a |

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| Cellulase                          |          |        |       |          |  |  |
|------------------------------------|----------|--------|-------|----------|--|--|
| Toxicity/effect                    | Endpoint | Value  | Unit  | Organism | Test method                                | Notes                                      |
| Acute toxicity, by oral route:     | LD50     | > 2000 | mg/kg | Rat      |  |  |
| Skin corrosion/irritation:         |          |        |       |          | OECD 404 (Acute dermal Irritaiton)         | Not irritant                               |
| Serious eye damage/irritation:     |          |        |       |          | OECD 405 (Acute eye Irritaiton/Corrosion)  | Not irritant                               |
| Respiratory or skin sensitisation: |          |        |       |          |  | Yes (inhalation) Experiences on persons    |
| Germ cell mutagenicity:            |          |        |       |          | OECD 471 (Bacterial Reverse Mutation test) | Negative                                   |
| Aspiration hazard:                 |          |        |       |          |  | No   |
| Symptoms:                          |          |        |       |          |  | asthmatic symptoms, bretahing difficulties |

| 1,2-benzisothiazol-3(2H)-one       |          |       |         |            |             |  |
|------------------------------------|----------|-------|---------|------------|-------------|--|
| Toxicity/effect                    | Endpoint | Value | Unit    | Organism   | Test method | Notes  |
| Acute toxicity, by oral route:     | LD50     | 375   | mg/kg   | Rat        |             |  |
| Acute toxicity, by oral route:     | ATE      | 500   | mg/kg   |            |             |  |
| Acute toxicity, by dermal route:   | LD50     | 4115  | mg/kg   | Rat        |             |  |
| Acute toxicity, by inhalation:     | LC50     | 0,25  | mg/l/4h | Rat        |             | Dust does not conform with EU classification |
| Skin corrosion/irritaiton:         |          |       |         |            |             | Irritant                                     |
| Serious eye damage/irritation:     |          |       |         |            |             | Intensively irritant                         |
| Respiratory or skin sensitisation: |          |       |         | Guinea pig |             | Sensitizing (skin contact)                   |
| Germ cell mutagenicity:            |          |       |         |            |             | Negative                                     |

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|           |  |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|--|
| Symptoms: |  |  |  |  |  |  | vomiting,<br>headaches,<br>gastrointestinal<br>disturbances,<br>nausea |
|-----------|--|--|--|--|--|--|--|

**SECTION 12: ECOLOGICAL INFORMATION**

| PREMSOFT 8000 L                   |          |      |       |      |          |             |       |
|-----------------------------------|----------|------|-------|------|----------|-------------|-------|
| Toxicity/effect                   | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| Toxicity to fish                  |          |      |       |      |          |             | n.d.a |
| Toxicity to daphnia               |          |      |       |      |          |             | n.d.a |
| Toxicity to algae                 |          |      |       |      |          |             | n.d.a |
| Persistence and degradability     |          |      |       |      |          |             | n.d.a |
| Bioaccumulative potential         |          |      |       |      |          |             | n.d.a |
| Mobility in soil                  |          |      |       |      |          |             | n.d.a |
| Result of PBT and vPvB assessment |          |      |       |      |          |             | n.d.a |
| Other adverse effects             |          |      |       |      |          |             | n.d.a |

| Cellulase                     |          |      |       |      |          |   |                       |
|-------------------------------|----------|------|-------|------|----------|---|-----------------------|
| Toxicity/effect               | Endpoint | Time | Value | Unit | Organism | Test method   | Notes                 |
| Toxicity to fish              | LC50     | 96h  | >39,5 | mg/l |          | OECD 203 (fish, acute toxicity test)                    |                       |
| Toxicity to daphnia           | EC50     | 48 h | >39,5 | mg/l |          | OECD 202 (daphnia sp. Acute immobilisation test)        |                       |
| Persistence and degradability |          |      |       |      |          | OECD 301 B (Ready biodegradability- Co2 evolution test) | Readily biodegradable |
| Bioaccumulative potential     | Log Pow  |      | <0    |      |          |   |                       |



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| 1,2-benzisothiazol-3(2H)-one |          |      |         |      |                                     |  |  |
|------------------------------|----------|------|---------|------|-------------------------------------|--|--|
| Toxicity/effect              | Endpoint | Time | Value   | Unit | Organism                            | Test method  | Notes  |
| Toxicity to fish             | LC50     | 96 h | 1,3-1,6 | mg/l | Salmo gairdneri                     |  |  |
| Toxicity to fish             | LC50     | 96 h | 2,18    | mg/l | Oncorhynchus mykiss                 | OECD 203<br>(fish,acute<br>toxicity test)                    |  |
| Toxicity to fish             | LC50     | 96 h | 3,4     | mg/l | Lepomis macrochirus                 |  |  |
| Toxicity to daphnia          | EC50     | 48 h | 1,5-3,3 | mg/l | Daphnia magna                       | OECD 202<br>(daphnia sp.<br>Acute<br>immobilisat<br>on test) |  |
| Toxicity to algae            | EC50     | 72 h | 0,11    | mg/l | Pseudokirchnerie Ila<br>subcapitata | OECD 201<br>(Alga,Growth<br>Inhibition<br>test)              |  |
| Toxicity to algae            | EC50     | 72 h | 0,15    | mg/l | Chlorella vulgaris                  |  |  |
| Toxicity to algae            | EC50     | 96 h | 0,055   | mg/l | Pseudokirchnerie Ila                |  |  |
| Bioaccumulative<br>potential | Log Pow  |      | 1,11    |      |                                     |  | A notable<br>biological<br>accumulatio<br>n potential is<br>not to be<br>exocted<br>(LogPow 1-3) |
| Toxicity to bacteria         | EC50     | 16 h | 0,4     | mg/l | Psedumonas putida                   |  |  |

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Move disposal of waste in accordance with national legislation.

Move containers for waste disposal in accordance with regulations.

**SECTION 14: TRANSPORT INFORMATION**

**General statements**

UN-Number: n.a.



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#### Transport by road/by rail (ADR/RID)

UN proper shipping name:  
Transport hazard class(es): n.a.  
Packing group: n.a.  
Classification code: n.a.  
LQ (ADR 2013): n.a.  
LQ (ADR 2009): n.a.  
Environmental hazards: n.a.  
Tunnel restriction code: Not applicable

#### Transport by sea (IMDG-code)

UN proper shipping name:  
Transport hazard class(es): n.a.  
Packing group: n.a.  
Marine Pollutant: n.a.  
Environmental hazards: Not applicable

#### Transport by air (IATA)

UN proper shipping name:  
Transport hazard class(es): n.a.  
Packing group: n.a.  
Environmental hazards: Not applicable

#### Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

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

Non-dangerous material according to Transport Regulations.

### SECTION 15: REGULATORY INFORMATION

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

For classification and labelling see Section 2.

Observe restrictions:

Comply with trade association/occupational health regulations.

### SECTION 16: OTHER INFORMATION

These details refer to the product as it is delivered.

|  |   |
|--|---|
| Classification in accordance with regulation (EC) No | Evaluation method used                            |
| Resp. Sens. 1, H334                                  | Classification according to calculation procedure |

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The following phrases represent the posted R phrases / H phrases, Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

22 Harmful if swallowed.

38 Irritating to skin.

41 Risk of serious damage to eyes.

42 May cause sensitization by inhalation.

43 May cause sensitization by skin contact.

50 Very toxic to aquatic organisms.

H302 Harmful if swallowed.

H315 Causes skin irritation.

|           |  |
|-----------|--|
| ADR       | Accord européen relatif au transport international des marchandises Dangereuses par Route<br>(= European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| AOX       | Adsorbable organic halogen compounds approx.   |
| CAS       | Chemical Abstracts Service   |
| DMEL      | Derived Minimum Effect Level   |
| DNEL      | Derived No Effect Level  |
| GHS       | Globally Harmonized System of Classification and Labelling of Chemicals  |
| IATA      | International Air Transport Association  |
| IMDG-code | International Maritime Code for Dangerous Goods  |
| LC50      | Lethal concentration 50 percent kill   |
| LD50      | Lethal Dose, 50% kill  |
| MARPOL    | International Convention for the Prevention of Marine Pollution from Ships   |
| PBT       | Persistent, bioaccumulative and toxic  |
| RID       | Règlement concernant le transport International ferroviaire de marchandises Dangereuses<br>(= Regulation concerning the International Carriage of Dangerous Goods by Rail)           |
| SVHC      | Substances of Very High Concern  |
| vPvB      | Very persistent and very bioaccumulative   |

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.