

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

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Revision number: 02
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PREMLITE 21 S

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

1.1 Product identifier

Trade name: Premlite 21 s
Chemical name: Laccase 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
Web: 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

Hazard Statements:

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

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PREMLITE 21 SPrecautionary 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.

Precautionary Statements (Disposal):

- P501 Dispose of contents/container to waste treatment in accordance with national regulations.

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

Laccase	
EINECS, ELINCS, NLP	420-150-4
CAS	80498-15-3
Content%	< 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: CO₂

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: Avoid formation and deposition of dust.

Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.

In filling operations take precautionary measures against static discharges.

Storage class: not determined

Storage stability: not determined

7.3 Specific end use(s)

not determined

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Specific end use(s)

Ingredients with occupational exposure limits to be monitored : Not applicable

8.2 Exposure controls

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

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 : half-mask with combination filter ABEK-P3

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

Eye protection : safety glasses with side protection shield

Body protection : Wear protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Granules
Colour:	Cream
Odour:	not determined
Ignition temperature:	not determined
flammability :	not determined
Lower explosion limit :	not determined
Upper explosion limit :	not determined
9.2 Other information	
Combustion number :	not determined
Dust explosion class :	not determined
Bulk density :	not determined

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

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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

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 > 2.000 mg/kg (rat)
Acute inhalation toxicity :	not determined
Acute dermal toxicity :	not determined
Irritant effect on skin :	non-irritant (rabbit)
Irritant effect on eyes :	slightly irritant (rabbit eye)
Repeated dose toxicity:	not determined
Teratogenicity :	not necessary
Carcinogenicity :	not necessary

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fish toxicity :	LC50 > 100 mg/l (Oncorhynchus mykiss)
Daphnia toxicity :	EC50 > 100 mg/l (Daphnia magna)
Algae toxicity :	IC50 > 100 mg/l (Scenedesmus subspicatus)
Bacteria toxicity :	not determined

12.2 Persistence and degradability

Physico-chemical eliminability :	not determined
Biodegradability :	The product is biodegradable.
Behaviour in environmental compartments:	not determined
Dissolved Organic carbon (DOC) :	not determined
Chemical oxygen demand (COD) :	not determined
Biochemical oxygen demand (BOD5):	not determined

Remarks: Product does not add to the AOX-value of the sewage. (DIN EN 1485)

The product does not contain heavy metals in concentrations of concern for waste water.

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12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

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: Laccase

R42 : May cause sensitization by inhalation.

S22 : Do not breathe dust.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 : Wear suitable gloves and eye/face protection.

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.