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

1.1 Product identifier

Trade name: Premsoft Nb

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

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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.

May cause an allergic skin reaction.

Classification of the Substance or Mixture

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

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

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

May cause sensitization by inhalation and skin contact.

2.2 Label elements



Signal word:

Danger

Hazard Statements:

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

H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Precautionary Statements (Response):

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substance

n.a.

3.2 Mixture

Cellulase	
EINECS, ELINCS, NLP	232-734-4
CAS	Cas 9012-54-8
Content%	0,1-1
Classification according to Directive 67/548/EEC	Xn, R42
Classification according to Regulation (EC) 1272/2008 (CLP)	Resp. Sens. 1, H334
Enzymatic proteins (by-product, not otherwise specified)	
EINECS, ELINCS, NLP	–
CAS	Cas n.v.
Content%	1-2,5
Classification according to Directive 67/548/EEC	Xn, R42
Classification according to Regulation (EC) 1272/2008 (CLP)	Resp. Sens. 1, H334
1,2-benzisothiazol-3(2h)-one	
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 Irritant, Xi, R38 Irritant, Xi, R41 Sensitizing, R43 Dangerous for the environment, N, R50

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Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10)
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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: 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. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

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.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media:**

water mist, foam, dry powder, CO₂

Extinguishing media that must not be used for safety reasons: not determined

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.

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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: Close container immediately after use, avoid excessive heat.

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

7.2 Conditions for safe storage, including any incompatibilities

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

Storage class: 12 Non-combustible liquids

Storage stability: not determined

7.3 Specific end use(s)

not determined

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored :

Not applicable

8.2 Exposure controls

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

Hygiene measures: Do not eat, drink or smoke at work.

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

Keep away from food and drink stuffs.

Respiratory protection :

If vapours form, respirators must be used. 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. Avoid skin contact with the wetted surfaces of the protective gloves.



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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: Liquid
Colour: Yellow
Odour: Characteristic
pH: 5.0 ± 0.5
Melting point: not determined
Flash point: not determined
Evaporation rate: not determined
Viscosity: not determined
Solubility in water: Not determined

9.2 Other information

Miscibility: Not determined
Fat solubility/solvent: Not determined
Conductivity: 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

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

For avoidable conditions: not necessary

10.5 Incompatible materials

For avoidable materials: not necessary

10.6 Hazardous decomposition products

Not applicable

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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 :	non-irritant (rabbit eye)
Sensitization :	May cause sensitization by inhalation and skin contact.
Repeated dose toxicity:	not determined
Mutagenicity:	not determined
Teratogenicity :	not necessary
Carcinogenicity :	not necessary

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fish toxicity :	LC50 > 10 mg/l
Daphnia toxicity :	EC50 > 10 mg/l
Algae toxicity :	LC50 > 10 mg/l
Bacteria toxicity :	not determined

12.2 Persistence and degradability

Physico-chemical eliminability :	not determined
Biodegradability :	If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.
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.

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.

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:



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Hazard symbols: Xn Harmful

contains: cellulase

R42/43 : May cause sensitization by inhalation and skin contact.

S23 : Do not breathe gas/fumes/vapour/spray.

S24 : Avoid contact with skin.

S36/37 : Wear suitable protective clothing and gloves.

TA-Luft (Ger.) : Not applicable

Water Hazard Class (Ger.) : WGK 1 - slightly hazardous to water

15.2 Chemical safety assessment

not determined

SECTION 16: OTHER INFORMATION

Xn Harmful

N Dangerous for the environment

R phrases / H phrases

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.

42/43 May cause sensitization by inhalation and skin contact.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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

Acute Tox. 4 (oral) Acute Toxicity: Cat. 4 (oral)

Aquatic Chronic 1 Hazardous to the aquatic environment: Chronic Category 1

Eye Dam. 1 Serious eye damage/eye irritation: Irreversible effects on the eye, Cat. 1

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

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

Skin Irrit. 2 Skin corrosion/irritation: Irritant, Cat. 2

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.