

Conforms to 91/155/EEC - 2001/58/EC - United Kingdom (UK)

STAIN-EX 4

Code : 102112E

Version : 2

Date of issue : 13 July 2005

1. Identification of product and company**Identification of the substance or preparation****Product name** : STAIN-EX 4**Product use** : Presoak

Product is for professional use only

Company/undertaking identification**Supplier** : Ecolab Ltd.

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anti-poison centre : NOT AVAILABLE.**2. Composition/information on ingredients****Ingredient declaration according to detergent regulation 648/2004/EC:**

≥15 - <30% non-ionic surfactants

contains enzymes

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Fattyalcohol ethoxylates > 5EO	Polymer.		20 - 25	Xn; R22 Xi; R41
Propylene glycol	200-338-0	57-55-6	2 - 5	Not classified.
2,2'-Iminodiethanol	203-868-0	111-42-2	1 - 2	Xn; R22, 48/22 Xi; R38, 41
Borates	233-175-9	10049-36-2	1 - 2	Xi; R36/38
subtilisin	232-752-2	9014-01-1	1 - 2	Xi; R37/38, 41 R42
See section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn; R22
Xi; R41
R42**Human health hazards** : Harmful if swallowed.
Risk of serious damage to eyes.
May cause sensitisation by inhalation.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.
- Skin Contact** : Flush contaminated skin with a copious amount of water.
- Eye contact** : In case of contact with eyes, rinse immediately with a copious amount of water. Obtain medical attention immediately.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CQ
- Special protective equipment for fire-fighters** : Fire-fighters should wear proper protective equipment.

6. Accidental release measures

- Personal Precautions** : Large spill and leak Immediately contact safety personnel.
- Environmental precautions and clean-up methods** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- SMALL SPILL Rinse with plenty of running water. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Do not get in eyes, on skin or on clothing. Do not breathe vapour or mist. Handle and open container with care.
- Storage** : Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep only in the original container.
- Store between 5 and 40°C
- Packaging materials Recommended** : Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
propylene glycol	EH40-OES (United Kingdom (UK), 5/2003). TWA: 10 mg/m ³ 8 hour(s). Form: Particulate TWA: 474 mg/m ³ 8 hour(s). Form: Sum of vapor and particulates
2,2'-Iminodiethanol	TWA: 150 ppm 8 hour(s). Form: Sum of vapor and particulates EH40-OES (United Kingdom (UK), 5/2003). TWA: 13 mg/m ³ 8 hour(s). Form: All forms TWA: 3 ppm 8 hour(s). Form: All forms

Exposure controls

- Respiratory protection (EN 143, 141)** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
- Hand protection (EN 374)** : No special recommendations.
- Eye protection (EN 166)** : Safety glasses. Goggles, face shield, or other full-face protection.
- Skin protection (EN 467)** : No special recommendations.

9. Physical and chemical properties

General information

Appearance

Physical state	: Liquid.
Colour	: Brown. (Light.)
Odour	: Pungent.

Important health, safety and environmental information

pH	: 9.4 (100%)
Boiling point	: Not available.
Melting point	: Not available.
Flash point	: > 100°C
Flammability (solid, gas)	: Not applicable.
Explosive properties	: Not applicable.
Explosion Limits	: Not applicable.
Oxidising properties	: Not available.
Vapour pressure	: Not applicable.
Relative density	: 1.05 g/cm ³ (20 °C)
Solubility	: Not available.
Octanol/water partition coefficient	: Not applicable.
Viscosity	: Dynamic: 90 cP
Vapour density	: Not available.
Evaporation rate (butyl acetate = 1)	: Not applicable.

10. Stability and reactivity

Stability	: Stable under normal conditions.
Materials to avoid	: Slightly reactive to reactive with acids, alkalis. Nonreactive with organic materials, metals. Do not mix with other products.

11. Toxicological information

Potential acute health effects

Inhalation	: May cause sensitisation by inhalation.
Ingestion	: Harmful if swallowed.
Skin Contact	: No specific hazard.
Eye contact	: Severely irritating to eyes.
Reproductive toxicity	: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

The product is not subject to ecological classification according to directive 1999/45/EC.

Persistence and degradability

If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 ... 10, as pH variations could cause disorders in wastewater channels : biological sewage treatment plants. The local discharge regulations take precedence. Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO₂ liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached. The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC.

13. Disposal considerations

Methods of disposal : Waste must be disposed according to applicable regulations. Use as much of the contents as possible, according to instructions. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty

Waste classification : Not applicable.

European waste catalogue (EWC) : 200130

14. Transport information**International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	Not regulated.	-	-	-	
ADN Class	Not regulated.	-	-	-	
IMDG Class	Not regulated.	-	-	-	

Do not ship by air.

15. Regulatory information**EU Regulations**

Hazard symbol(s)



Harmful

Contains

: subtilisin

Risk Phrases

: R22- Harmful if swallowed.
R41- Risk of serious damage to eyes.
R42- May cause sensitisation by inhalation.

Safety Phrases

: S2- Keep out of the reach of children.
S23- Do not breathe vapour.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39- Wear eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations.

The Control of Substances Hazardous to Health Regulations.

Health and Safety at Work Act.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) : R22- Harmful if swallowed.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R36/38- Irritating to eyes and skin.
R37/38- Irritating to respiratory system and skin.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R42- May cause sensitisation by inhalation.

History

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Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Version 2

Page: 5/5