

**ERINOX**

Date 23.9.2008

Previous date: 7.4.2006

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1 Identification of the article****1.1.1 Commercial Product Name**

ERINOX

**1.1.2 Product code**

8113,8114,8192

**1.2 Use of the Substance/Preparation****1.2.1 Expressed in writing**

Ultrasonic cleaner

**1.3 Identification of the substance/preparation and the company/undertaking****1.3.1 Supplier**

Farmos

**1.3.2 Contact information****Street address**

Tengströminkatu 6

**Postcode and post office**

20360 Turku

Finland

**P.O.Box**

P.O BOX 157

**Postcode and post office**

20101 TURKU

Finland

**Telephone**

+358-104-307-110

**Telefax**

+358-104-307-720

**Email**

asiakaspalvelu@farmos.com

**1.4 Emergency telephone number****1.4.1 Telephone number, name and address**

Poison advisory center in Finland: +358 9 471 977

**2. HAZARDS IDENTIFICATION**

The product is classified as irritant. Irritating to eyes.  
Classification Xi; R36

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Hazardous components**

<b>3.1.1 CAS/EINECS and reg.number</b>	<b>3.1.2 Chemical name of the substance</b>	<b>3.1.3 Concentration</b>	<b>3.1.4 Classification</b>
	Secondary alkansulphonate	< 5%	Xi; R38-41
	Fatty alcohol ethoxylate	5 - 15 %	N; R50
112-34-5	Butyldiglycol	< 5%	Xi; R36

**4. FIRST AID MEASURES****4.2 Inhalation**

Move to fresh air.Consult a physician after significant exposure.

**4.3 Skin contact**

Rinse with water

**4.4 Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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- 4.5 Ingestion**  
Consult a physician.

**5. FIRE-FIGHTING MEASURES****6. ACCIDENTAL RELEASE MEASURES**

- 6.2 Environmental precautions**  
Should not be released into the environment.
- 6.3 Methods for cleaning up**  
Water rinsing

**7. HANDLING AND STORAGE**

- 7.1 Handling**  
Be carefull and read the quidelines.
- 7.2 Storage**  
Store at room temperature in the original container. Do not freeze.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Exposure Limit Values**
- 8.1.1 Threshold limits**
- |               |              |                            |
|---------------|--------------|----------------------------|
| Butyldiglycol | 10 ppm (8 h) | 68 mg/m <sup>3</sup> (8 h) |
|---------------|--------------|----------------------------|
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
- 8.2.1.2 Hand protection**  
Rubber or plastic gloves
- 8.2.1.3 Eye protection**  
Goggles if necessary
- 8.2.1.4 Skin and body protection**  
Protective clothes
- 8.2.2 Environmental exposure controls**  
Do not release into the environment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 General Information (appearance, odour)**  
Clear or yellowish liquid.
- 9.2 Important Health Safety and Environmental Information**
- 9.2.1 pH** 10.5
- 9.2.2 Boiling point/range** 100 C (water)
- 9.2.8 Relative density** 1016 g/l 20 C
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** good

**10. STABILITY AND REACTIVITY**

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**11. TOXICOLOGICAL INFORMATION****11.2 Primary irritation**

Irritates eyes.

**12. ECOLOGICAL INFORMATION****12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

Fatty alcohol ethoxylate:

LC50/96h/rainbow trout = 0,71 mg/l

EC50/48h/daphnia = 0,85 mg/l

**12.3 Persistence and degradability****12.3.1 Biodegradation**

Biodegradable

**13. DISPOSAL CONSIDERATIONS**

In accordance with local and national regulations

**14. TRANSPORT INFORMATION****15. REGULATORY INFORMATION****15.1 Information on the warning label****15.1.3 R phrase(s)**

R36 Irritating to eyes.

**15.1.4 S phrase(s)**

S24/25 Avoid contact with skin and eyes.

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

S37 Wear suitable gloves.

**16. OTHER INFORMATION****16.1 Full text of R-phrases referred to under sections 2 and 3**

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

**16.2 Training advice**

Read the label.

**16.4 Additional information available from:**

Registered office and domicile: Farnos Oy., Lasikuja 2, FI-02780 ESPOO

**16.5 Literary reference**

Safety Data Sheets of rawmaterials.

List of dangerous goods

OEL-TWA limits 2007 in Finland

**16.6 Additions, Deletions, Revisions**

Updated according to Regulation (EC) N:o 1907/2006 of the European Parliament and of the Council