

SAFETY DATA SHEET

ECOLAB

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC -
United Kingdom (UK)

No 4745

GUARDIAN INSURE

Code : 102853E

Version : 1

Date of issue : 17 January 2007

1. Identification of product and company

Identification of the substance or preparation

Product name : GUARDIAN INSURE
Product use : Machine Warewashing Detergent
Product is for professional use only

Company/undertaking identification

Supplier : Ecolab Ltd.
David Murray John Building
UK-SN1 1NH Swindon, Wiltshire
England
Tel +44 (0)1793 511221
Fax +44 (0)1793 618552
Emergency phone: 01793 511221

anti-poison centre : NOT AVAILABLE.

2. Composition/information on ingredients

Ingredient declaration according to detergent regulation 648/2004/EC:

≥15 - <30% phosphates
<5% non-ionic surfactants, chlorine-based bleaching agents

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Disodium metasilicate	229-912-9	6834-92-0	50 - 100	C; R34 Xi; R37
Sodium carbonate	207-838-8	497-19-8	10 - 20	Xi; R36
Troclosene sodium, dihydrate	220-767-7	51580-86-0	2 - 5	Xn; R22 Xi; R36/37 R31 N; R50/53
Alkylethoxy-propoxylates	Polymer.		0.5 - 1.0	Xi; R36 N; R51/53
Alkylethoxy-propoxylates	Polymer.		0.25 - 0.5	Xi; R38 N; R50
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, 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 : C; R34
Xi; R37
R31
N; R51/53

- Human health hazards** : Contact with acids liberates toxic gas.
Causes burns.
Irritating to respiratory system.
- Environmental hazards** : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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. If swallowed, rinse mouth with water (only if the person is conscious).
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
- Eye contact** : In case of contact with eyes, rinse immediately with plenty of water. Get 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** : Use foam or all-purpose dry chemical to extinguish. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- 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 spilt 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 spilt 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 dust. Avoid contact of spilt material and runoff with soil and surface waterways. After handling, always wash hands thoroughly with soap and water. Handle and open container with care.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 0 and 40°C
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

- Exposure limit values** : Not available.
- Exposure controls**
- Occupational exposure controls** : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Respiratory protection** : Use appropriate respiratory protection if there is a risk of exceeding any

Hand protection (EN 374)	: 1 - 4 hours: butyl rubber, nitrile rubber
Eye protection (EN 166)	: Safety glasses. Goggles, face shield, or other full-face protection.
Skin protection (EN 467)	: safety apron Suitable protective footwear.

9. Physical and chemical properties

General information

Appearance	
Physical state	: Solid. (Powder.)
Colour	: white with coloured particle:
Odour	: chlorine

Important health, safety and environmental information

pH	: 12.1 to 12.7 (1%)
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	: 1200 to 1300 g/cm ³ (20 °C)
Solubility	: Partially soluble in cold water, hot water.
Octanol/water partition coefficient	: Not applicable.
Viscosity	: Not available.
Vapour density	: Not available.
Evaporation rate (butyl acetate = 1)	: Not applicable.

10. Stability and reactivity

Stability	: Stable under normal conditions.
Materials to avoid	: Extremely reactive or incompatible with the following materials: acids. Do not mix with other products.

11. Toxicological information

Potential acute health effects

Inhalation	: Irritating to respiratory system.
Ingestion	: Causes burns.
Skin contact	: Corrosive to the skin.
Eye contact	: Corrosive to eyes.
Reproductive toxicity	: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

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 of 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)** : 200115*

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	UN3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium metasilicate, Troclosene sodium, dihydrate)	8	III	8
ADN Class	UN3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium metasilicate, Troclosene sodium, dihydrate)	8	III	8
IMDG Class	UN3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium metasilicate, Troclosene sodium, dihydrate)	8	III	8

Follow special pack instructions for air transport.

15. Regulatory information

EU regulations

Hazard symbol/symbols :



Corrosive, Dangerous for the environment.

Contains

: Disodium metasilicate

Risk Phrases

: R34- Causes burns.
R37- Irritating to respiratory system.
R31- Contact with acids liberates toxic gas.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

: S2- Keep out of the reach of children.
S7- Keep container tightly closed.
S22- Do not breathe dust.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39- Wear suitable protective clothing, gloves and 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.
- R34- Causes burns.
- R36- Irritating to eyes.
- R36/37- Irritating to eyes and respiratory system.
- R37- Irritating to respiratory system.
- R38- Irritating to skin.
- R31- Contact with acids liberates toxic gas.
- R50- Very toxic to aquatic organisms.
- R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

History

Date of printing : 18 January 2007
Date of issue : 17 January 2007
Version : 1
Prepared by : Ecolab Regulatory Department Europe

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 1

Page: 5/5