

SAFETY DATA SHEET	DESCALER	REVIEW n° 6
Reg. (CE) n°1907/2006 (REACH)		Data di compilazione 31/01/2009

1. IDENTIFICATION

- Trade Name **DESCALER**
 - Use **DESCALER FOR WASHING MACHINE AND DISHWASHER**

2. IDENTIFICATION OF HAZARDS

- Classification of the preparation The preparation is classified Irritant
 -Risks physical / chemical The preparation does not present special risks related to physical / chemical
 -Health risks The product is irritating to eyes and skin
 -Risks to the Environment Under normal conditions of use and in the form that is, the preparation does not possess property dangerous to the environment

3. COMPOSITION / INFORMATION ON INGREDIENTS

- Information on the preparation - EU Detergents Regulation (648/2004/CE): Inf 5% non-ionic surfactants

- Content of substances classified as dangerous according to Directive 67/548/EEC and subsequent updates:

conc.	Chemical name	CAS	N° CE	Symbol	Risk Phrases *
<5%	Solphamic acid	5329-14-6	226-218-8	Xi irritant	R36/38-52/53
> 40%	Citric acid	77-92-9	201-069-1	Xi irritant	R36

- * The R (risk) messages are given in their full form at point 15

4. FIRST AID MEASURES

In case of doubt or when symptoms persist make use of a doctor having access to the data sheet of the preparation. Do not give any substance orally to people with knowledge.

- Contact with skin In case of contact with the skin, the person may experience a skin irritation. Take off contaminated clothing and wash thoroughly with soap and water areas of the body that came into contact with the preparation
- Contact with eyes In case of contact with eyes, the person may have the following symptoms: burning and irritation. In this circumstance, rinse immediately with plenty of water for at least 15 minutes. Consult your doctor in case of persistent irritation.
- Ingestion **if the patient is conscious:**
Do not induce vomiting. Administer a two glasses of water to dilute the product immediately and use a medical examination.
if the patient is in a state of unconsciousness:
Do not give anything for oral while the patient unconscious. Ask the medical intervention of the transport accident or quickly transport the injured to the nearest hospital
- Inhalation Aerate the environment. Remove immediately contaminated by the patient and keep at rest in an aerated. If breathing is difficult, seek medical advice immediately.

5. FIRE FIGHTING MEASURES

In case of fire work with:

- extinguishing media foam, powder, CO₂, water spray
- extinguishing media banned Do not use water jets
- means of protection Use protections for the respiratory tract
- other information cool containers exposed to fire with water

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

- individual precautions Wear gloves and protective clothing
- environmental precautions Contain spill with earth or sand. Do not let the product reach waterways or sewers, in the case of leakage of large quantities alert the relevant authorities.

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-methods of cleaning Quickly collect the product by wearing protective clothing. Collect the product for reuse, if possible, or for disposal. Possibly absorb with inert material. After the harvest, wash the area with water and the materials involved recovering the water used and eventually send a landfill site

7. HANDLING AND STORAGE

-precautions for handling avoid direct contact with eyes and skin
-storage conditions Store the product in original packaging and sealed
-indication for the premises Local Store in cool and ventilated.

8. CONTROLS FOR PERSONAL EXPOSURE/PROTECTION

-Respiratory Protection not necessary for the normal use
- hand protection The selection of DPI for the hands must be made on the basis of its better resistance to chemical agents, taking into account the test results obtained according to EN 374. Use gloves of natural latex, neoprene, nitrile, PVC vinyl
-eye protection tight goggles or visor
-Exposure limits: For substances listed in section 3 sulphamic acid: TLV-TWA 75 ppm

9. PHYSICAL – CHEMICAL PROPERTIES

▪ **Aggregation state** Crystalline powder
 ▪ **Colour** white
 ▪ **odor** odorless
 ▪ **solubily in water** complete
 ▪ **Flash point** Not flammable
 ▪ **pH (sol. 1%)** 4.26

10. STABILITY AND REACTIVITY

- stability Stable under normal conditions
- conditions to avoid Nothing in particular
- substances to avoid Avoid contact with other products
- dangers decomposition You are not aware of any substances that may form in dangerous quantities as a result of decomposition of the product.

11. TOXICOLOGY INFORMATION

Health effects that may result from exposure to the preparation are:

- skin contact Irritant. Cause irritation to the skin following contact significant.
- eye contact Irritant. Cause eye irritation.
- ingestion Irritant. Irritation due to be paid by the mouth and gastrointestinal tract
- inhalation Irritant. The irritation may occur as a result of high amounts of inhaled product

12. ECOLOGICAL INFORMATION

Use according to good working practices, instead of spreading the product in the environment. Used in the preparation method and in purpose.

-Ecotoxicity The product does not have significant inhibitory effects on micro-organisms and, in appropriate conditions can be run to treatment plants discharges, to avoid the introduction of concentrates produced in sewage treatment plants. The pH should be between 5.5 and 9.5
- mobility In soil and water solubility and mobility important. Possible contamination of groundwater in the event of rain.
- Persistence and degradability The preparation contains surfactants comply with the biodegradability criteria as laid down in EU Detergents Regulation (EC/648/2004). The organic substances are removed in the normal treatment plants for waste water.
- Potential for bioaccumulation Non bioaccumulabile

13. DISPOSAL CONSIDERATIONS

To observe the handling due to security precautions as described in paragraph 8.

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- Disposal of the preparation** Recuperare se possibile. Inviare ad impianti di smaltimento autorizzati o ad incenerimento in condizioni controllate. Operare secondo le vigenti disposizioni locali e nazionali.
- Disposal of packaging** L'attenzione dell'utilizzatore è attirata sulla possibile esistenza di costrizioni e prescrizioni locali, relative allo smaltimento, che lo riguardano

14. TRANSPORT INFORMATION

- Road (ADR) and rail (RID)** not classified as hazardous for transport
- proper shipping name** -----
- UN ----- Class -- packing group ---

15. REGULATION INFORMATION

Classification, packaging and labeling of dangerous substances and preparations dangerous according to Dir 2006/8/EC of 23 January 2006 and under Regulation (EC) No 1907/2006 (REACH)

- Symbols** **Xi irritant**
- Risk phrases** **R36: irritating to eyes**
- Safety advice** S2 Keep out of reach of children
S25 Avoid contact with eyes
S26 In case of contact with eyes, wash immediately with plenty of water and seek medical advice
S46 If swallowed, seek medical advice immediately and show this container o'etichettaUsare suitable gloves
S37 Wear suitable gloves

16. OTHER INFORMATION

The profile has been updated within the meaning of a correction of 23 January 2006 Dir 2006/8/EC and Commission Regulation (EC) No 1907/2006 (REACH) Major bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Center, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
ACGIH - Threshold Limit Values - 2004 edition
Le information contained are based on our knowledge at the date above. Refer only to the specified product and does not constitute a guarantee of particular quality .L 'user is required to ensure the suitability and completeness of such information in connection with specific needs that they do.

This sheet cancels and replaces any previous edition.

Testo delle frasi R utilizzate nel paragrafo 3

- R36 irritating to eyes
R36/38 Irritating to eyes and skin
R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

This sheet complements the technical bulletin without replacing it, the information relating to knowledge of the product at the time of transmission. However the numerous employment opportunities and possible interference with non-employees from the manufacturer can not be any responsibility on the information given.