

**SAFETY DATA SHEET**  
**According to regulation (EC) 1907/2006**Date of revision 28/09/2012  
Printed on 28/09/2012  
Version: 02**1. IDENTIFICATION OF THE PRODUCT AND OF THE DISTRIBUTOR**Name of the product's Security Data File  
SEH022700.IN.02Identification of the productName of the product:  
Domestic CleanerIdentified relevant uses of the substance or mixture, and uses advised againstDescription/Use:  
Drain cleaner

## Identification of the Distributor:

SUPER-EGO TOOLS, S. L.U.  
Ctra. Durango – Elorrio, Km 2  
48220 Abadiano Vizcaya, Spain  
Telephone number: + 34 946 210 100  
Fax: + 34 946 210 131  
E-mail: superego@rothenberger.es  
www.super-ego.es**2. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS**Substances.  
Information not relevant.

Mixture: Contains:

Identification	Concentration % (C)	Classification 67/548/CEE
SODIUM HYPOCHLORITE CAS No 7681-52-9 CE No 231-668-3 Index No 017-011-00-1	5 - 10	R31 C R34 N R50 Nota B
SODIUM HYDROXIDE CAS No 1310-73-2 CE No 215-185-5 Index No 011-002-00-6	2 - 5	C R35
AMINES, C12-C18- ALKYLMETHYL, N-OXIDES CAS No 68955-55-5 CE No 273-281-2	0 - 5	Xi R38 Xi R41 N R50
ALKYLETHER SULPHATE C12- C14 ETHOXYLATE, SODIUM SALT CAS No 68891-38-3	0 - 5	Xi R36/38
AMINES, COCO ALKYLDIMETHYL, N-OXIDES CAS No 61788-90-7 CE No 263-016-9	0 - 5	N R50
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**3. IDENTIFICATION OF THE POSSIBLE HAZARDS**

Classification of the substance or mixture.

The product is classified as hazardous under the regulations of Directives 67/548/EEC and 1999/45/EC and/or (EC) Regulation 1907/2006 (CLP) (and subsequent amendments and adaptations). Therefore, the product requires a safety data sheet in compliance with the provisions of Regulation (EC) 1907/2006 and subsequent amendments and adaptations.

Eventual additional information about health and environmental hazards is available in Sections 11 and 12 of this data sheet.

Hazard symbols: C

R-phrases : 31-34

For the complete text of Risk phrases (R) and Hazard phrases (H) see section 16 of the data sheet.

## Label elements.

Hazardous label according to Directives 67/548/EEC and 1999/45/EC and successive modifications and adaptations.

C - CORROSIVE

R31 Contact with acids liberates toxic gas

R34 Causes burns

S 1/2 Keep locked up and out of the reach of children

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)

Contains: SODIUM HYPOCHLORITE  
SODIUM HYPOCHLORITE

## Other hazards.

Information not available.

**4. FIRST AID**Description of first aid measures.

## Eyes:

Wash immediately in plenty of water for at least 15 minutes. Consult a doctor.

## Skin:

Wash immediately with plenty of water. Remove the contaminated clothing. Call the doctor. Wash the contaminated clothes separately before using again.

## Inhalation:

Take the person into the fresh air: if breathing stops or becomes difficult carry out artificial respiration and call the doctor.

## Ingestion:

Immediately call the doctor. Induce vomiting only when indicated by the doctor. Do not give anything orally if the person is unconscious.

Main symptoms and effects, acute and delayed.

See also section 11 for symptoms and effects caused by the substances contained in the preparation

Indication of any immediate medical attention and special treatment needed

Follow the doctor's indications.

**5. MEASURES TO FIGHT AGAINST FIRES**

## Methods of extinction:

Suitable: The extinction methods are the traditional ones: carbonic anhydride, foam, powder and atomised water.  
Unsuitable: none in particular.

Specific hazards derived from the substance or mixture:

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Hazards due to exposure in the event of fire. Avoid breathing the combustion products (carbon oxide, toxic pyrolysis products, etc...).

Recommendations for the fire fighting staff:

#### General information

Cool the containers with jets of water to avoid the product's decomposition and the development of substances potentially harmful to health. Always have the complete fire protection equipment. Collect the water used to put the fire out as it must not be put down the drains. Eliminate the contaminated water used for the extinction and the waste from the fire following the current regulations.

Equipment:

Protection helmet with visor, fireproof clothing (fireproof jacket and trousers with bands around the arms, legs and waist), gloves (fireproof, cut-proof and dielectric), a pressure face mask covering the entire face of the operator or breathing apparatus in the event of large quantities of smoke.

## 6. MEASURES WHICH MUST BE TAKEN IN THE EVENT OF ACCIDENTAL SPILLAGE OR DISPERSION

Individual precautions, protection equipment and emergency procedures:

Put on the proper protection equipment. Move away the persons without equipment. In the event of dust or vapour in the air adopt breaching protection. Block the leak if there is no danger. Do not handle damaged containers or the spilt product without having previously put on the proper protection equipment. For information regarding the risks for the environment and health, protecting the respiratory tract, ventilation and the individual protection measures, refer to the other sections in this file.

Environmental precautions:

Prevent the product from reaching the drains, surface water, aquifers and confined areas. Abundantly dilute with water after having collected the product.

Contention and cleaning methods and material:

Suck up any liquid product into a suitable recipient (made from a material which is not incompatible with the product) and collect the spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc...). Collect as much of the resulting material with anti-spark tools and place it in containers for elimination. Eliminate the water with water jets if there are no contraindications. Provide sufficient ventilation for the place affected by the spillage. The disposal of contaminated material must be performed in compliance with the provisions of section 13.

Reference to other sections.

Eventual additional information about individual protection and disposal is available in Sections 8 and 13 of this data sheet.

## 7. HANDLING AND STORAGE

Precautions for a safe handling.

Store in labelled closed containers.

Safe storage conditions, including possible incompatibilities.

Normal storage conditions, without specific incompatibilities.

Specific end uses.

Information not available.

## 8. CONTROL OF EXPOSURE / INDIVIDUAL PROTECTION

Control parameters:

Information not available.

#### Exposure control:

Whereas the use of proper technical measures must always have priority regarding the personal protection equipment, ensure good ventilation in the work place through effective local draught or by changing the contaminated air. If such operations do not allow the concentration of the product to be below the limit exposure values in the work place, use suitable protection for the respiratory tract. While using the product pay attention to the hazard label for the details. During the choice of the personal protection equipment ask for advice from suppliers of the chemical substances. The personal protection apparatus must be in accordance with the current regulations indicated below.

Hand protection

Protect hands with category III PVC, butyl, fluoroelastomer or equivalent work gloves (ref. Directive 89/686/EEC and regulation EN 374)

The final selection of the glove material must be carried out on the basis of degradation, penetration times and permeation rated. In the case of preparations the resistance of glove materials cannot be foreseen and therefore has to be tested before use. The usage time of the gloves shall depend on the exposure period.

Eye protection

Use hermetic integral frame protection glasses (ref. regulation EN 166).

Skin protection

Use category III professional work clothes with long sleeves and protection shoes (ref. Directive 89/686/EEC and regulation EN 344). Wash with soap and water after having removed the protection clothes.

Breathing protection

In the event that the maximum threshold of one or various substances present in the preparation is exceeded, referring to the daily exposure in the working atmosphere or a fraction established by the company's protection and prevention service, use a E-type or universal type mask. Choose its type (1, 2 or 3) according to the limit concentration of use (ref. regulation EN 141).

The use of respiratory tract protection measures, like masks with cartridge for organic vapours and dusts/mists, is necessary in the absence of technical measures to limit the worker's exposure. The protection offered by the mask is limited.

In the event that the considered substance is odourless or if the olfactory threshold is greater than the corresponding exposure limit and in the case of emergency, or when the exposure levels are unknown or the concentration of oxygen in the working environment is lower than 17% in volume, put on open circuit compressed air breathing apparatus (ref. regulation EN 137) or breath with an external air source used with a full mask, half-mask or with a breathing tube (ref. regulation EN 138).

Establish a system of eye washing and an emergency shower. The abovementioned substance or preparation (mixture, solution, dispersion, etc...) shall be prevented from coming into contact, even accidentally, with acids, by adopting the relevant technological and/or organizational measures.

## 9. PHYSICAL-CHEMICAL PROPERTIES

Physical state:

Gelatinous liquid

Colour:

yellowy

Smell:

Characteristic

Odour threshold.

NA (not available).

pH.

NA (not available).

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Melting or freezing point.	NA (not available).
Boiling point.	> 100 °C.
Distillation range	NA (not available).
Flash point	NP (not applicable).
Evaporation rate	NA (not available).
Flammability of solids and gases	NA (not available).
Lower flammability limit	NA (not available).
Higher flammability limit	NA (not available).
Lower explosion limit	NA (not available).
Higher explosion limit	NA (not available).
Vapour pressure.	NA (not available).
Vapour density	NA (not available).
Specific weight.	1,11 Kg/l
Solubility	soluble in water
Partition coefficient:	n-octanol/water NA (not available).
Self-igniting temperature	NA (not available).
Decomposition temperature	NA (not available).
Viscosity	NA (not available).
Exidising properties	NA (not available).

## Additional information.

Information not available.

**10. STABILITY AND REACTIVITY**

## Stability:

Under normal conditions of use there is no particular danger of reaction with other substances.

## Chemical stability:

The product is stable under normal conditions of use and storage.

## Possibility of dangerous reactions:

Under normal conditions of use and storage no dangerous reactions are expected.

## Conditions which should be avoided:

None in particular. In any event, follow the usual precautions for chemical products.

## Incompatibles materials:

No available information.

## Hazardous decomposition products:

In the case of thermal decomposition or in the case of fire potentially harmful vapour may be given off.

**11. TOXICOLOGICAL INFORMATION**

## Information about toxicological effects

Contact of the product with acids gives rise to toxic gases in amounts which are hazardous for human health. The product is corrosive and causes burns in the superficial layers of the skin, redness, heat and burning sensation. Blisters causing severe burning and pain may appear in the most serious cases. When it enters into contact with the eyes it causes serious injuries and may cause opacity of the cornea injuries to the iris, irreversible coloration of the eye.

Its possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms are sometimes shown after a few hours. The symptoms of exposure may include: burning sensation, coughing, astmatic breathing, laryngitis, short breathing, headaches, nausea and vomiting. Its ingestion can cause burns to the mouth, to the throat and to the esophagus; vomiting, diarrhea, edema, swelling of the

larynx and, as a result, asphyxia. It can even cause gastrointestinal perforation.

**12. ECOLOGICAL INFORMATION**

As there are no specific information about the preparation, it must be used following good work practices, preventing its dispersal in the environment. Avoid the dispersion of the product in the soil, drains and water courses. Warn the competent authorities if the product enters into contact with the water courses or drains or if it contaminates the land or vegetation. Adopt the measures that may be necessary to minimize the effects on the aquifer.

## Toxicity.

Information not available.

## Persistence and degradability.

Information not available.

## Bioaccumulative potential.

Information not available.

## Soil motility.

Information not available.

## Results of the PBT and mPmB assessment.

Information not available.

## Other adverse effects.

Information not available.

**13. CONSIDERATIONS REGARDING ITS ELIMINATION**

## Waste treatment measures

Reuse if possible. The waste from the product has to be considered as particularly hazardous. The hazardousness of the waste which partly contain this product must be valued according to the current legislative regulations. The elimination must be entrusted to a company authorised for the management of waste, according to the provisions of the national and possibly the local regulations. Waste transportation may be subject to the ADR.

## Contaminated packagings

The contaminated packaging must be sent to be recovered or eliminated according to the national waste management regulations.

**14. INFORMATION REGARDING TRANSPORT**

The transport must be performed by vehicles authorised to transport hazardous goods according to the prescriptions of the current A.D.R. Agreement and the applicable national regulations. The goods must be transported in their original packaging and, under all circumstances, in packaging which cannot be attacked by the content and can generate dangerous reactions with it. Those entrusted with the loading and unloading the hazardous material must have received proper training about the risks presented by the material and about the possible procedures that must be adopted in the event of emergency situations.

## Land or railway transport:

Class ADR/RID:	8 UN: 1719
Packing Group:	III
Label:	8
Kemler No.:	80
Technical name:	

## Maritime transport:

Class IMO:	8 UN: 1719
Packing Group:	III



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Label: 8  
EMS: F-A, S-B  
Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S

Air transport:  
IATA: 8 UN: 1719  
Packing Group: III  
Label: 8

- 4. Regulation (EC) 1272/2008 of the European Parliament (CLP)
- 5. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. The Merck Index. Ed. 10
- 8. Handling Chemical Safety
- 9. Niosh - Registry of Toxic Effects of Chemical Substances
- 10. INRS - Fiche Toxicologique
- 11. Patty - Industrial Hygiene and Toxicology
- 12. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

**15. INFORMATION REGARDING THE REGULATION**

Laws and regulations in terms of safety, health and environment which are specific for the substance or mixture

Seveso category. None.

Restrictions regarding the product or the substances contained according to appendix XVII Regulation (EC) 1907/2006. Product. Point 3

Substances in the Candidate List (Art. 59 REACH).  
None.

Substances subject to authorization (Annex XIV REACH).  
None.

Health controls:

The workers exposed to this chemical agent do not have to be subject to health monitoring, provided that the results of the assessment of the risks show that there is only a moderate risk for the workers' health and safety and that the measures set out in Directive 98/24/EC are being respected and are sufficient in order to reduce the risk.

Law decree. 152/2006 and subsequent amendments.

Emmissions: TAB. C Classe 2 05.60 %

Assessment of chemical safety.

An assessment of the chemical safety has not been prepared for the mixture and the substances contained therein.

**16. ADDITIONAL INFORMATION**

Text of the Risk (R) phrases mentioned in sections 2-3 of the data sheet:

- R31 Contact with acids liberates toxic gas
- R34 Causes burns
- R35 Causes severe burns
- R36/38 Irritating to eyes and skin
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- R50 Very toxic to aquatic organisms

GENERAL BIBLIOGRAPHY:

- 1. Directive 1999/45/EC and subsequent amendments
- 2. Directive 67/548/EEC and subsequent amendments and adjustments
- 3. Regulation (EC) 1907/2006 of the European Parliament (REACH)

Note for the user:

The information contained in this file is based on the knowledge available up to the date of the last version. The user must make sure that the information is proper and complete in relation to the specific use of the product.

This document must not be interpreted as guaranteeing any specific property of the product.

Given that we cannot directly control the use of the product, it is the user's obligation to respect, under its responsibility, the current laws and regulations as regards health and safety. No liability is accepted for improper uses.

Modifications with respect to the previous revision:

The following sections have been subject to variations:

02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.