

MATERIAL SAFETY DATA SHEET

according to EU Directive 93/112/EC

IDROSILEX LIQUID

Version: 2

Print date: 15.10.04



1. DESIGNATION OF PRODUCT AND COMPANY

Trade name: IDROSILEX liquid
Product type and use: Water-repellent agent for cement mortars.
Supplier:
MAPEI S.p.A. -Via Cafiero 22 - Milan -ITALY
Emergency telephone number of the company and/or of an authorised advisory centre:
MAPEI S.p.A. - Tel. +(39)02376731

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:
20% - 24.99% calcium chloride
N. EEC/67/548: 017-013-00-2 CAS: 10043-52-4 EINECS: 233-140-8
Xi Irritant
R36 Irritating to eyes.

3. HAZARDS IDENTIFICATION

If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.

4. FIRST-AID MEASURES

Contact with skin: Immediately take off all contaminated clothing. Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes: Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION.

Swallowing: Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet. A suspension of activated charcoal in water, or liquid petrolatum may be administered.

Inhalation: Ventilate the premises.

5. FIRE FIGHTING MEASURES

The product does not present a fire hazard

Extinguishers not to be used: None in particular.

Risks arising from combustion: Avoid inhaling the fumes.

Protective equipment: Use protection for the airways.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

Measures for personal safety: Use gloves and protective clothing.

Environmental measures: Limit leakages with earth or sand.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

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Cleaning methods:

If the product is in a liquid form, stop it from entering the drainage system.
Recover the product for re-use if possible, or for elimination.
The product might, where appropriate, be absorbed by inert material.
After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions: Avoid contact with skin and eyes.
Incompatible materials: None in particular.
Storage conditions: Store above 5°C.
Instructions as regards storage premises: Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:
Respiratory protection: Not needed for normal use.
Protection for hands: Not needed for normal use.
Eye protection: Not needed for normal use.
Protection for skin: No special precaution must be adopted for normal use.
Exposure limit value: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Colour: colorless
Odour: odourless
pH: 7-8
Boiling point: 100 °C
Flash point: == °C
Autoignition temperature: == °C
Explosion limits(by volume): ==
Relative density: 1.3 g/cm³ (23°C)
Solubility in water: soluble
Lipid solubility: insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Route(s) of entry:

Ingestion: Yes
Inhalation: No
Contact: Yes

Toxicological information related to the product:

No toxicological data are available at the moment on the product itself.
The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

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Corrosive/Irritating Properties:

Skin: The product can cause a temporary irritation by prolonged contact.

Eye: The product can cause irritation by contact

Sensitizing Properties: No effects are known.

Cancerogenic Effects: No effects are known.

Mutagenic Effects: No effects are known.

Teratogenic Effects: No effects are known.

12. ECOLOGICAL INFORMATION

Although no experimental data are available, the product is expected to be only partly biodegradable. Adopt sound working practices, so that the product is not released into the environment.

13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN Number: ==
Rail/Road(RID/ADR): no dangerous good
Sea (IMO/IMDG): no dangerous good
MAR/POL 73/78,Annex III: No
Air (ICAO/IATA): no dangerous good

15. REGULATORY INFORMATION

Classification and Labelling according to EEC Directive 88/379:

Symbols: Xi Irritant

R Phrases:

R36 Irritating to eyes.

S Phrases:

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

S24 Avoid contact with skin.

Where applicable, refer to the following regulatory provisions :

Presidential Decree D.P.R. 303/56 (Health checks).

16. OTHER INFORMATION

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

CESIO - Classification and labelling of anionic, nonionic surfactants (1990)

CCNL - Appendix 1 "TLV for 1989-90"

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.