

**Safety Data Sheet
INTORASA****Safety Data Sheet dated 1/10/2012, version 1****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier**

Mixture identification:

Trade name: INTORASA

1.2. Relevant identified uses of the substance/mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

Supplier:

FORKOLL - Strada Prov. 42 - Km 1 - Collepasso (LE)

Competent person responsible for the safety data sheet:

sicurezza@forkoll.it

1.4. Emergency telephone number

FORKOLL - Tel. +(39) 0833 595333 - (office hours)

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

2. HAZARDS IDENTIFICATION

Properties / Symbols: Xi Irritant

R Phrases: R36/37/38 Irritating to eyes, respiratory system and skin.

If brought into contact with the eyes, the product causes irritation that may last for over 24h, if inhaled, it causes irritation to the airways, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

20% - 25% white Portland cement, Cr(VI) < 2 ppm

CAS: 65997-15-1 EC: 266-043-4

Xi; R36/37/38

7% - 10% calcium hydroxide

CAS: 1305-62-0 EC: 215-137-3

Xi; R37/38-41

4. FIRST AID MEASURES

Contact with skin:

Wash with plenty of water and soap.

Contact with eyes:

Wash immediately with water for at least 10 minutes.

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the premises contaminated and made to rest in a well ventilated area. Should the patient feel unwell, consult a physician.

5. FIRE-FIGHTING MEASURES

The product does not present a fire hazard

Extinguishers not to be used:

None in particular.

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Measures for personal safety:

None in particular

Environmental measures:

Cleaning methods:

Rapidly recover the product, wearing protective clothing.

Scoop into containers and seal for disposal.

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 and exposure to high dust concentration.

Avoid powder development and deposit

Incompatible materials:

Keep away from water or from damp surroundings.

Storage conditions:

Always keep the containers tightly closed.

Instructions as regards storage premises:

Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Not needed for normal use.

Use adequate protective respiratory equipment, when above TLV.

A dust mask should be worn if above exposure limits.

Protection for hands:

Use protective rubber gloves.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: none

Eye protection:

Safety goggles.

Protection for skin:

Use clothing that provides comprehensive protection to the skin.

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Exposure limit value of single components:

white Portland cement, Cr(VI) < 2 ppm

TLV TWA:: (polvere) 10 mg/m³

calcium hydroxide

TLV TWA:: 5 mg/m³

Carry out the control of the concentrations of the substances with exposure limits assigned, in the working place according to local dispositions

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Appearance: powder
Colour: white
Odour: slight, typical of cement
pH: > 12
Melting point: N.A.
Boiling point: == °C
Flash point: N.A.
Solid/gas flammability: N.A.
Autoignition temperature: == °C
Explosion limits(by volume): ==
Oxidizing properties: N.A.
Vapour pressure: N.A.
Relative density: 1,5 g/cm³ (23°C)
Solubility in water: partly soluble
Lipid solubility: insoluble
Viscosity: N.A.
Vapour density (air=1): N.A.

10. STABILITY AND REACTIVITY

Conditions to avoid:
Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Route(s) of entry:

Ingestion: Yes
Inhalation: Yes
Contact: No

Toxicological information related to the product:

No toxicological data are available at the moment on the product itself.

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

calcium hydroxide

LD50 (orale,ratto) = 7340

Corrosive/Irritating Properties:

Skin: The product can cause irritation by contact.
Eye: The product can cause irritation by contact
Sensitizing Properties: No effects are known.
Carcinogenic Effects: No effects are known.
Mutagenic Effects: No effects are known.
Teratogenic Effects: No effects are known.

12. ECOLOGICAL INFORMATION

Biodegradability: no data available on the preparation.
Adopt good industrial 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.
Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.
Disposal of hardened product (EC waste code) : 17 01 01
Disposal of not hardened product (EC waste code) : 17 01 01
The suggested European waste code is just based on the composition of the product.
According to the specific process or application field a different waste code may be necessary.

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INTORASA**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

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols: Xi Irritant

R Phrases: R36/37/38 Irritating to eyes, respiratory system and skin.

S Phrases:

S22 Do not breathe dust.

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.

S36/37 Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances

Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

ACGIH - Threshold Limit Values - 2004 edition

SAX'S - Dangerous properties of industrial materials

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.

Text of R phrases referred to under heading 3:

R36/37/38 Irritating to eyes, respiratory system and skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

Paragraphs modified from the previous revision:

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2. HAZARDS IDENTIFICATION
3. COMPOSITION/INFORMATION ON INGREDIENTS
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