

Safety Data Sheet

ULTRAPLAN

Safety Data Sheet dated 13/6/2008, version 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: ULTRAPLAN

Product type and use:

Cement based levelling mortar.

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

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

Competent person responsible for the safety data sheet:

sicurezza@mapei.it

2. HAZARDS IDENTIFICATION

No specific hazards are encountered under normal product use.

This preparation contains cement. Contact between cement and body fluids (e.g. sweat and eye fluids) may cause irritation or burns.

See at paragraph 11 the additional information concerning crystalline silica

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

30% - 40% free crystalline silica ($\varnothing > 10 \mu$)

CAS: 14808-60-7 EC: 238-878-4

substance with a Community workplace exposure limit

3% - 5% Portland cement, Cr(VI) < 2 ppm

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

Xi; R36/37/38

4. FIRST AID MEASURES

Contact with skin:

Wash with plenty of water and 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:

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:

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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.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

None in particular

Environmental measures:

Cleaning methods:

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

Exposure limit values(TLV-TWA):

(powder)10 mg/m³

Precautionary measures:

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

Respiratory protection:

Not needed for normal use.

A dust mask should be worn if above exposure limits.

Protection for hands:

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

Not needed for normal use.

Eye protection:

Not needed for normal use.

Protection for skin:

No special precaution must be adopted for normal use.

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:

free crystalline silica ($\varnothing > 10 \mu$)

TLV TWA:: 0,05 mg/m³ (respirable fraction)

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	powder
Colour:	grey
Odour:	slight, typical of cement
pH:	N.A.
pH(water dispersion,10%):	11
Melting point:	N.A.
Boiling point:	== °C
Flash point:	== °C
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/cm ³ (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.

The product does not contain toxicologically relevant substances.

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:

The IARC (International Agency for Research on Cancer) believes that the crystalline silica inhaled at the workplace can cause lung cancer in man.

However, it also points out that the cancer effect depends on the silica characteristics and on the biological-physical condition of the environment.

There is a large amount of information in support of the fact that increased risk of cancer is limited to persons suffering from silicosis.

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In the current situation of studies, protection of workers from silicosis can be ensured by respecting the exposure limit values.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

No effects are known.

Additional Information:

Contains cement. Cement gives a strong alkaline reaction with water and body fluids (e.g. sweat and eye fluids), therefore the contact with skin and eyes should be carefully avoided.

During the use of the product it is released a small amount of acetic acid (CAS 64-19-7), that can cause mucous and skin irritation.

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.

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).

Special Provisions:

Safety data sheet available for professional user on request.

16. OTHER INFORMATION

Main bibliographic sources:

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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.

Paragraphs modified from the previous revision:

- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION