

Safety Data Sheet

ULTRABOND P 990 1K

Safety Data Sheet dated 29/1/2010, version 3

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

Trade name: ULTRABOND P 990 1K

Product type and use: Polyurethane-based adhesive.

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

Properties / Symbols:

☒ Xn Harmful

☒ Xi Irritant

R Phrases:

R36 Irritating to eyes.

R42 May cause sensitization by inhalation.

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

If inhaled, the product may cause sensitisation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

7% - 10% calcium oxide

CAS: 1305-78-8 EC: 215-138-9

Xi; R38-41

0.5% - 1% diphenylmethane diisocyanate,MDI

N. EEC/67/548: 615-005-00-9 CAS: 26447-40-5 EC: 247-714-0

Xn,Xi; R20-36/37/38-42/43

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.

Do not use eyewash or ointment of any kind before obtaining an examination or advice from an

Safety Data Sheet

ULTRABOND P 990 1K

ophthalmologist.

Swallowing:

A suspension of activated charcoal in water, or petroleum jelly may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. CALL A PHYSICIAN.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

Avoid inhaling the fumes.

Protective equipment:

Use protection for the airways.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

None in particular.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product, wearing protective clothing.

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 disposal. 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 and inhalation of the vapours. See, too, paragraph 8 below.

Do not eat or drink while working.

Incompatible materials:

None in particular.

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:

Required where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment, when above TLV.

In case of insufficient ventilation use mask with AK2 filters (EN 141).

Protection for hands:

Use protective rubber gloves.

The use of LLPDE (0,06 mm), nitrile (0,4) or butyl (0,5 mm) gloves is suggested.

Latex gloves are not recommended.

Safety Data Sheet

ULTRABOND P 990 1K

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:

None

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

Appearance:	paste
Colour:	beige or brown
Odour:	typical
pH:	N.A.
Melting point:	N.A.
Boiling point:	N.A.
Flash point:	> 62 °C
Solid/gas flammability:	N.A.
Explosion limits(by volume):	N.A.
Oxidizing properties:	N.A.
Vapour pressure:	N.A.
Relative density:	1,45-1,55 g/cm ³ (23°C)
Solubility in water:	insoluble
Lipid solubility:	partly soluble
Viscosity:	28000-36000 mPa.s (23°C)
Vapour density (air=1):	N.A.

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth, alloys in powder or vapours) and powerful reducing agents.

It may generate toxic gases on contact with oxidising mineral acids, and powerful oxidising agents.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

It polymerises on heating

It releases carbon dioxide in contact with water

11. TOXICOLOGICAL INFORMATION

Route(s) of entry:

Ingestion: Yes

Inhalation: Yes

Contact: No

Safety Data Sheet

ULTRABOND P 990 1K

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.

Set out below is the toxicological information relating to the main substances in the preparation.

The product does not contain toxicologically relevant substances.

Corrosive/Irritating Properties:

Eye:

The product can cause irritation by contact

Sensitizing Properties:

Frequent contact may cause sensitization.

Cancerogenic 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.

Aquatic toxicity: the preparation is not to be considered toxic to the aquatic environment based on components.

LC50>100mg/l - aquatic species (calculated data following 1999/45/EC Directive).

Adopt good industrial practices, so that the product is not released into the environment.

13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions.

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) : 08 04 10

Disposal of not hardened product (EC waste code) : 08 04 09

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).

Symbols:

Safety Data Sheet

ULTRABOND P 990 1K

Xn Harmful

R Phrases:

R36 Irritating to eyes.

R42 May cause sensitization by inhalation.

S Phrases:

S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

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.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contents:

diphenylmethane diisocyanate,MDI

Special Provisions:

Contains isocyanates. See information supplied by the manufacturer.

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:

R20 Harmful by inhalation.

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

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R42/43 May cause sensitization by inhalation and skin contact.