

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

Trade name: ULTRABOND ECO VS 90

Product type and use:

Water-borne synthetic polymer 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

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

None

---

3. HAZARDS IDENTIFICATION

No specific hazards are encountered under normal product use.

---

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:

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:

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:

None in particular

Use gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

None in particular.

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.

---

All the individual protection devices must be consistent to CE relevant standards (as EN 374 for gloves and EN 166 for goggles), maintained efficient and stored in a appropriate way. The life of the protection devices against the chemical agents depends on various factors (the way they are used, climatic factors and storage conditions), that can remarkably reduce also the life foreseen by CE standards. The consultation of the supplier of the protection devices is always recommended.

The education of the worker to the use of the equipment devices is mandatory.

Exposure limit value of single components:

None

---

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	paste
Colour:	beige
Odour:	typical
pH:	8-9
Boiling point:	100 °C
Flash point:	== °C
Autoignition temperature:	== °C
Explosion limits(by volume):	==
Relative density:	1.3 g/cm <sup>3</sup> (23°C)
Solubility in water:	dispersible
Lipid solubility:	insoluble
Viscosity:	110000 mPa.s (23°C)

---

#### 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

---

#### 11. TOXICOLOGICAL INFORMATION

Route(s) of entry:

Ingestion:	Yes
Inhalation:	Yes
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 toxological effects deriving from the preparation.

The product does not contain toxicologically relevant substances.

Corrosive/Irritating Properties:

Eye:

The product can cause a temporary 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

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.

Disposal of hardened product (EC waste code) : 08 04 10

Disposal of not hardened product (EC waste code) : 08 04 16

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/CE (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 2001/58/CE (Safety data sheets). Commission Directive 98/24/CE (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/CE (Occupational exposure limit values).

The preparation should not be considered as dangerous accordingly to dir. 99/45/EEC.

---

#### 16. OTHER INFORMATION

Main bibliographic sources:

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

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

ACGIH - Treashold Limit Values (TLV)

SAX'S - Dangerous properties of industrial materials - Tenth Edition

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.