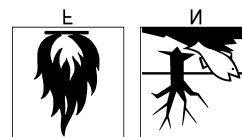


Safety Data Sheet
CERABOND PER R T



Safety Data Sheet dated 22/2/2006, version 4

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

Trade name: CERABOND PER R T
Colour: all the colours
Trade code: 3021...
Product type and use: Inorganic zinc rich primer - comp.A
Company:
BOAT S.p.A. - Via G.Macaggi,19 I-16121 GENOVA (ITALY)
Emergency telephone number of the company and/or of an authorised advisory centre:
BOERO BARTOLOMEO S.p.A. - Tel.010/5500.1
Centro Antiveleni - Ospedale "San Martino" - Genova - Tel.010/352808

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

40% - 50% zinc powder - zinc dust (stabilized)

N.67/548/CEE: 030-002-00-7 CAS: 7440-66-6 EINECS: 231-175-3
N R50/53

20% - 25% ethanol

N.67/548/CEE: 603-002-00-5 CAS: 64-17-5 EINECS: 200-578-6

5% - 7% quartz

CAS: 14808-60-7 EINECS: 238-878-4
Xn R48/20

1% - 3% zinc oxide

N.67/548/CEE: 030-013-00-7 CAS: 1314-13-2 EINECS: 215-222-5
N R50/53

3. HAZARDS IDENTIFICATION

The product easily catches fire if it is exposed to an ignition source.
This product is a threat to the environment; it is highly toxic for aquatic organisms following acute exposure.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

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Contact with skin:

Wash with plenty of water and soap.

Contact with eyes:

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Wash immediately with water for at least 10 minutes.

Swallowing:

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

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

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

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

CO2 or Dry chemical fire extinguisher.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Cool the containers exposed to the fire with water.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

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. To do so, wear a mask and 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 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.

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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.

Do not smoke while working.

Incompatible materials:

None in particular.

Storage conditions:

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Instructions as regards storage premises:

Cool and adequately ventilated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

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

Respiratory protection:

Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:

Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):

ethanol

TLV TWA: 1000 ppm, A4 - 1880 mg/m³, A4

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: pasty

Flash point: 10 °C

Relative density: 1.96/2.08

10. STABILITY AND REACTIVITY

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Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

None.

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

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

The product does not contain toxicologically relevant substances.

12. ECOLOGICAL INFORMATION

List of substances dangerous for the environment and corresponding classification:

40% - 50% zinc powder - zinc dust (stabilized)

N.67/548/CEE: 030-002-00-7 CAS: 7440-66-6 EINECS: 231-175-3

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

1% - 3% zinc oxide

N.67/548/CEE: 030-013-00-7 CAS: 1314-13-2 EINECS: 215-222-5

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Adopt good working practices, so that the product is not released into the environment. Waste and disposal have to be controlled and evaluated according to their possible polluting power and to the local law.

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.

14. TRANSPORT INFORMATION

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UN number:	UN 1263
Road/rail (ADR/RID):	Pitture
IMDG-Class:	3, PG II

15. REGULATORY INFORMATION

99/45/EC (Classification and Labelling), 2001/60/CE, 67/548/CEE, 2001/59/CE, 91/155/CEE, 2001/58/CE:

Symbols:

F Highly flammable
N Dangerous for the environment

R Phrases:

R11 Highly flammable.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour
S24/25 Avoid contact with skin and eyes.
S51 Use only in well-ventilated areas.
S46 If swallowed, seek medical advice immediately and show this container or label.
S29 Do not empty into drains.
S36/37 Wear suitable protective clothing and gloves.
S7 Keep container tightly closed.

Where applicable, refer to the following regulatory provisions :
Presidential Decree D.P.R. 303/56 (Health checks).
Law by Decree D.L. 626/94 (Health and safety for workers).

16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
ACGIH - Treshold Limit Values - 1997 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.

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Text of R phrases referred to under heading 2:

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Paragraphs modified from the previous revision:

- 2. COMPOSITION/INFORMATION ON INGREDIENTS
- 3. HAZARDS IDENTIFICATION
- 4. FIRST AID MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION