

SCHEDA DI SICUREZZA

ALGINZETA ORTHO

Edition 2 of 01/07/03
Revision 0

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1. PRODUCT AND MANUFACTURING COMPANY IDENTIFICATION

Brand name: **ALGINZETA ORTHO**

Use: chromatic alginate for dental models in orthodontia

Supplier: INDUSTRIA ZINGARDI Srl – Via Mazzini, 161 – 15067 NOVI LIGURE (AL) ITALY –

Tel: ++39 0143 2148/73468 – Fax: ++39 0143 71883 – e-mail: zingardi@zingardi.it

Telephone number for urgent call: ++39 0143 2148

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances contained in the preparation, considered dangerous according to the EEC Directive 67/548 and following adjustments:

none

The preparation contains:

<u>COMPONENTS</u>	<u>RAW FORMULA</u>	<u>CAS</u>	<u>QUANTITY</u>
Sodium Alginate		9005-38-3	~ 16 %
Sodium Phosphate		7722-88-5	~ 2 %
Magnesium Oxide		1309-48-4	~ 9 %
Magnesium Carbonate		39409-82-0	~ 6 %
Calcium Sulfate		10101-41-4	~ 14 %
Potassium Titanium Fluoride		16919-27-0	~ 2 %
Diatomaceous Earth		61790-53-2	~ 49 %

3. IDENTIFICATION OF DANGERS

Main risk: formation of dust for an improper use. Use the apposite anti-dust mask.

TLV-TWA: 0,1 mg/m³

4. FIRST AID

Contact with eyes: rinse abundantly

Contact with skin: wash a lot in running water with neutral soap

Inhalation: transfer the man at fresh air

Ingestion: drink a lot of water

5. FIRE-PREVENTION METHODS

Suitable means of extinction: water, foam. Consider as class A.

Forbidden means of extinction: none

Risks for exposure or risks for combustion: none

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6. MEASURES FOR CASUAL DISPERSION

- 6.1 **Personal precautions:** collect into suitable containers
- 6.2 **Environmental precautions:** none
- 6.3 **Improvement methods:** recover the product from the floor without wetting it to avoiding risks of slipperiness

7. MANIPULATION AND STORAGE

- 7.1 **Manipulation:** avoid the formation and the store of dust
- 7.2 **Storage:** keep into the original packaging in a dry and cool place

8. PERSONAL PROTECTION / EXPOSURE CONTROL

- 8.1 **Values limit for exposure:**
 - 8.2.1 **Control of professional exposure:**
 - 8.2.1.1 **Respiratory protection:** not breathe the powders. Use the product in good ventilated environment. Use the apposite anti-dust mask.
 - 8.2.1.2 **Hand protection:** not necessary, in case latex gloves
 - 8.2.1.3 **Eyes protection:** not necessary, in case safety glasses
 - 8.2.1.4 **Skin protection:** not necessary
 - 8.2.2 **Environmental exposure control:** remember point 6

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: light yellow fine powder
Arome: Mou sweet
pH: n.a.
Specific weight: n.a.
Solubility in water: not soluble
Density: 0,4 g/cm³

10. STABILITY AND REACTIVITY

Stability: the compound is stable and it does not decompose if used in the normal conditions of use and storage
Conditions to avoid: none
Substances to avoid: none
Dangerous reactions: it burns on contact with the flame

11. TOXICOLOGICAL INFORMATION

The product does not present toxicological risks if used properly for the use which it is designed. Avoid the formation and the inhalation of dust.

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12. ECOLOGICAL INFORMATION

12.1 **Solubility in water:** on contact with water it begins to become gel

12.2 **Biodegradability:** ~ 30 %

12.3 **Risks for environment:** none known

13. WASTE DISPOSAL

The product is classifiable as special waste not dangerous, it can be eliminated in controlled dump according to the current law (D. Lgs 22/97 and following adjustments).

Sometimes, for decision of single town council, it can be disposed with domestic waste.

14. INFORMATION ON TRANSPORT

Transport not regulated.

15. REGULATIONS

Labelling of preparation in application of D. Lgs 3 February 1997, n° 52 and Directive 1999/45/CE regarding classification, packing and labelling of dangerous compounds:

Symbol of danger: not requested

Phrase of risk: not requested

Advices of caution: not necessary

16. FURTHER INFORMATION

Safety schedule was written in conformity to Directive 91/155/EEC and following adjustments and D.M. 4/04/97 and 7/09/2002. The reported information are based on our present knowledge at the moment of the consignment, considering safety norms and a correct and pure use.

The supplying firm is not responsible for an improper use of the product and for any risk springing from changes or unknown effects in the technical characteristics of raw materials.