

**1. IDENTIFICATION OF THE PREPARATION AND OF THE MANUFACTURING COMPANY**Commercial name: **ORTIX**

Use: chromatic alginate for dental impressions in orthodontics

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**2. HAZARDS IDENTIFICATION**

Main risk: formation of dust following improper use. The use of a special protective mask is recommended.

TLV-TWA: 0.1 mg / m<sup>3</sup>**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Substances contained in the preparation, considered dangerous according to EEC directive 67/548 and subsequent amendments:

none

The preparation contains:

COMPONENTS FORMULA BRUTA CAS QUANTITY

Sodium Alginate 9005-38-3 ~ 16%

Sodium Phosphate 7722-88-5 ~ 2%

MagnesiumOxide 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%

#### 4. FIRST AID MEASURES

Contact with eyes: rinse thoroughly

Skin contact: wash thoroughly in running water with neutral soap

Inhalation: transfer the subject to fresh air

Ingestion: drink large quantities of water

#### 5. FIRE-FIGHTING MEASURES

Recommended extinguishing media: water, foam. Treat as class A.

Forbidden extinguishing media: none in particular.

Risks from exposure: none in particular.

#### 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: collect in suitable container

6.2 Environmental precautions: none

6.3 Methods for cleaning up: recover the product from the floor without moistening it in order to avoid the risk of slipperiness

#### 7. HANDLING AND STORAGE

7.1 Handling: avoid the formation and accumulation of dust

7.2 Storage: store in the original packaging in a cool and dry place

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values:

8.2.1 Occupational exposure control:

8.2.1.1 Respiratory protection: do not breathe dust. The use of a protective mask is recommended. Use the product in a well-ventilated area.

8.2.1.2 Hand protection: not necessary. If necessary, use latex gloves.

8.2.1.3 Eye protection: not necessary. If necessary, use glasses.

8.2.1.4 Skin protection: not necessary.

8.2.2 Environmental exposure control: keep point 6 in mind.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: packaged fine powder of light yellow color

Aroma: ORANGE

pH: n.a.

Specific weight: n.a.

Solubility in water: insoluble

Density: 0.4 g / cm<sup>3</sup>

## 10. STABILITY AND REACTIVITY

Stability: the preparation is stable and does not decompose under normal conditions of use and storage.

Conditions to avoid: none.

Substances to be avoided: none.

Dangerous reactions: burns in contact with the flame.

**11. TOXICOLOGICAL INFORMATION**

The product does not present toxicological risks if used properly for the intended use.

Avoid the formation and inhalation of dust.

**12. ECOLOGICAL INFORMATION**

12.1 Solubility in water: in contact with water it begins to gel

12.2 Biodegradability: about 30% biodegradable

12.3 Risks for the environment: no known risks

**13. DISPOSAL CONSIDERATIONS**

The product can be classified as a special non-hazardous waste and can be disposed of in a controlled landfill, in accordance with current legislation (Legislative Decree 22/97 and subsequent amendments). Based on the decisions of individual municipal solid waste collection companies, it can often be disposed of together with household waste.

**14. TRANSPORT INFORMATION**

The product is not covered by the regulation of the transport of dangerous substances.

**15. REGULATORY INFORMATION**

Labeling of the preparation in application of Legislative Decree 3 February 1997, n. 52 and of Directive 1999/45 / EC concerning the classification, packaging and labeling of dangerous preparations.

Hazard symbol: not required.

Risk phrases: not required.

Precautionary statements: not necessary.

**16. OTHER INFORMATION**

The safety data sheet has been drawn up in compliance with Directive 91/55 / EEC and subsequent amendments and with D.M. 4/04/97 and 7/09/2002. The information given is based on our best current knowledge and describes the products from the point of view required by safety regulations. They refer to the product at the time of supply and are not intended to guarantee its quality. The product must be stored, handled and used in accordance with good industrial working standards and in compliance with all the laws in force. No responsibility can be attributed to the supplier company for any risk deriving from variations or unknown effects in the characteristics of the raw materials as such or in combination as well as from an improper or careless use of the product or different from that

**INDUSTRIA ZINGARDI**

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