

SCHEDA DI SICUREZZA

ZETA CAD-CAM

Edition 2 of 01/07/03
Revision 0

Page 1 of 3

1. PRODUCT AND MANUFACTURING COMPANY IDENTIFICATION

Brand name: ZETA CAD-CAM

Use: gypsum for dental use (dental technician and dentist)

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

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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>
Hemi-hydrated calcium sulphate	$\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$	10034-76-1	> 98 %
Sodium citrate	$\text{C}_6\text{H}_6\text{Na}_2\text{O}_7$	6132-04-03	< 1 %
Sulphate potassium	K_2SO_4	7778-80-5	< 1 %
Red iron oxide	Fe_2O_3	1309-37-1	< 1 %
Yellow iron oxide	Fe_2O_3	1309-37-1	< 1 %
Sodium polysulfide sulfate alumina silicate	$\text{Na}_{8-10}\text{Al}_6\text{Si}_6\text{O}_{24}\text{S}_{2-4}$	574555-37-5	< 1 %

3. IDENTIFICATION OF DANGERS

The compound is not dangerous either for man or for environment.

4. FIRST AID

Contact with eyes: water eyes with a lot of water holding the eyelids open. It is better that the holders of contact lens undergo to a medical control.

Contact with skin: wash a lot with warm water

Inhalation: assure the entrance of fresh air

Ingestion: rinse the mouth and drink a lot of water

5. FIRE-PREVENTION METHODS

Suitable means of extinction: the material is not inflammable; if the product is involved in a fire, use the means of extinction recommended

Forbidden means of extinction: none

Risks for exposure: none

SCHEMA DI SICUREZZA

ZETA CAD-CAM

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Page 2 of 3

6. MEASURES FOR CASUAL DISPERSION

- 6.1 **Personal precautions:** avoid the formation of dust
- 6.2 **Environmental precautions:** control the formation of dust sprinkling with nebulized water
- 6.3 **Improvement methods:** collect mechanically into suitable containers. Remove the rests with jets of water.

7. MANIPULATION AND STORAGE

- 7.1 **Manipulation:** in case of formation of dust utilize local or general ventilation system
- 7.2 **Storage:** keep in a dry place

8. PERSONAL PROTECTION / EXPOSURE CONTROL

8.1 Values limit for exposure:

calcium sulphate: 10 mg/m³ (European Community – Limit Value of Professional Exposure)

8.2.1 Control of professional exposure:

8.2.1.1 **Respiratory protection:** anti-dust mask

8.2.1.2 **Hand protection:** gloves

8.2.1.3 **Eyes protection:** safety glasses

8.2.1.4 **Skin protection:** not necessary, in case apron

8.2.2 **Environmental exposure control:** remember point 6

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: ivory coloured powder

Odour: odourless

pH (10 g/l) at 20 °C: 5-7 in suspension

Melting point: about 1700 °C

Inflammability: it does not catch fire, it does not burn down

Explosive and combustive properties : not explosive, not combustive

Specific weight: about 2,6

Solubility in water: not soluble

Volatile substances or elements: absent

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: if heated at high temperature, it liberates sulphurous anhydride

SCHEDA DI SICUREZZA

ZETA CAD-CAM

Edition 2 of 01/07/03
Revision 0

Page 3 of 3

11. TOXICOLOGICAL INFORMATION

Calcium sulphate, the main component of this compound seems not to be connected with risks for the man health. The sole risks are those imputable to the inorganic powders with fine granulometry that can be easily inhaled and involve bronchus and lungs.

We can sum risks linked to the exposure at the compound as follows:

11.1 **Penetration way:** inhalation, ingestion, contact with skin and eyes

11.2 **Inhalation:** limit ACGIH for powders: TLV = 10 mg/m³

11.3 **Ingestion:** it does not cause considerable risks

11.4 **Contact with skin:** unknown irritant effects

11.5 **Contact with eyes:** moderately irritant

12. ECOLOGICAL INFORMATION

Ecological information about calcium sulphate:

WGK (German classification of water pollution risks) = 0 (substance normally not polluting)

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.