

# SCHEDA DI SICUREZZA

ZETAVEST

Edition 2 of 01/07/03  
Revision 0

Page 1 of 3

## 1. PRODUCT AND MANUFACTURING COMPANY IDENTIFICATION

**Brand name:** ZETAVEST

**Use:** universal phosphate investment

**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>
Quartz	SiO <sub>2</sub>	14808-60-7	> 25 %
Cristobalite	SiO <sub>2</sub>	14464-48-1	> 25 %
Magnesium oxide	MgO	1309-48-4	< 10 %
Ammonium phosphate	(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>	7783-28-0	< 10 %

## 3. IDENTIFICATION OF DANGERS

The compound is not classified as dangerous according to the Directive EEC 67/548 and following adjustments; nevertheless it contains quartz and cristobalite, dangerous substances if inhaled, for the possible development of silicosis and lung cancer.

## 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. Consult a doctor.

**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:** inhalation of quartz and cristobalite powders is dangerous (see point 11)

# SCHEMA DI SICUREZZA

ZETAVEST

Edition 2 of 01/07/03  
Revision 0

Page 2 of 3

## 6. MEASURES FOR CASUAL DISPERSION

- 6.1 **Personal precautions:** avoid the formation of dust. In case of discharge of important quantities of powder, wear suitable personal protective clothes, including anti-dust mask and in case aqualung.
- 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 and cool place

## 8. PERSONAL PROTECTION / EXPOSURE CONTROL

- 8.1 **Limit values for exposure** adopted from American Conference of Industrial Hygienists (ACGIH):

Quartz: 0,05 mg/m<sup>3</sup>  
Cristobalite: 0,05 mg/m<sup>3</sup>

- 8.2.1 **Control of professional exposure:**

8.2.1.1 **Respiratory protection:** anti-dust mask code 3M 8835 M/L

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:** white coloured powder

**Odour:** odourless

**pH :** n.d.

**Melting point:** about 1700 °C

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

**Explosive and combusive properties :** not explosive, not combusive

**Specific weight:** 0,87

**Solubility in water:** not soluble

## 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:** none

# SCHEMA DI SICUREZZA

ZETAVEST

Edition 2 of 01/07/03  
Revision 0

Page 3 of 3

## 11. TOXICOLOGICAL INFORMATION

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:** exposure at quartz and cristobalite powders can cause silicosis, lung cancer and lung tuberculosis

11.3 **Ingestion:** it does not cause considerable risks. LD<sub>50</sub> on rat > 15.000 mg/kg

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

11.5 **Contact with eyes:** moderately irritant

## 12. ECOLOGICAL INFORMATION

The product does not present relevant risks for waters: LC<sub>50</sub> carp > 10.000 mg/l/72h

## 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:** S22 - not breathe the powders

## 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.