

SCHEMA DI SICUREZZA

ISOPLAST

Edition 2 of 01/07/03
Revision 0

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1. PRODUCT AND MANUFACTURING COMPANY IDENTIFICATION

Brand name: ISOPLAST

Use: insulator

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		10034-76-1	> 98 %
Sodium citrate	C ₆ H ₆ Na ₂ O ₇	6132-04-03	< 1 %
Distilled water	H ₂ O	7732-18-3	< 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 or risks for combustion: none

6. MEASURES FOR CASUAL DISPERSION

6.1 **Personal precautions:** n.a.

6.2 **Environmental precautions:** observe the local provisions

6.3 **Improvement methods:** collect mechanically into suitable containers. Remove the rests with jets of water.

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7. MANIPULATION AND STORAGE

7.1 **Manipulation:** n.a.

7.2 **Storage:** keep in a dry and cool place

8. PERSONAL PROTECTION / EXPOSURE CONTROL

8.1 **Values limit for exposure:** n.a.

8.2.1 **Control of professional exposure:** follow the basic laws of hygiene

8.2.1.1 **Respiratory protection:** n.a.

8.2.1.2 **Hand protection:** gloves

8.2.1.3 **Eyes protection:** 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: liquid

Odour: faint

pH (10 g/l) at 20 °C: 8-9

Melting point: n.a.

Inflammability: n.a.

Explosive and combustive properties : n.a.

Specific weight: about 1,1

Solubility in water: 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: n.a.

11. TOXICOLOGICAL INFORMATION

Sodium Alginate, the main component of this compound seems not to be connected with risks for the man health.

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

11.1 **Penetration way:** ingestion, contact with eyes

11.2 **Inhalation:** n.a.

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

11.4 **Contact with skin:** n.a.

11.5 **Contact with eyes:** irritant

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12. ECOLOGICAL INFORMATION

Ecological information about sodium alginate:

WGK (German classification of water pollution risks) = 1 (substance mildly 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.