

Date: **January 2008** - This Safety Sheet replaces all the previous editions

1 Name of the substance/preparation and the company

- 1.1 Product information:
- 1.2 Trade Name: ADDENSANTE [THICKENER] - ART. 799/62
- 1.3 Manufacturer / Supplier: Giorgio Graesan & Friends s.a.s.- Di Shila Graesan - Via Bergamo, 24 - 20037 Paderno Dugnano (MI) (Italy)
- 1.4 Type of Product and Use: Thickening agent for lime-based products

2 Composition / Information on ingredients

- 2.1 Substances contained that are dangerous to health as per the terms of EEC Directive 67/548 and successive alterations, or for which there are known exposure limits: None.

3 Hazard Identification

- 3.1 No danger is associated with normal use.

4 First-Aid Measures

- 4.1 Contact with the skin: Immediately wash with copious amounts of clean water. Take off contaminated clothes
- 4.2 Contact with the eyes: Wash immediately with copious amounts of running water with the eyelids open for at least 10 minutes. If necessary see a doctor. Do not use eye drops or ointments of any kind unless prescribed by a doctor.
- 4.3 Ingestion: Rinse the mouth.

5 Fire-Fighting Measures

- 5.1 Non-inflammable product
- 5.2 Combustion risks: In case of fire the preparation can release toxic gases. Do not breathe in the fumes. Use protection for the respiratory tracts.

6 Accidental release measures

- 6.1 Personal precautions: Wear gloves, safety goggles and protective clothing.
- 6.2 Environmental precautions: Contain the leaks with earth, sand or sawdust. If the product is diluted in a watercourse, in the drain network or has contaminated the soil or vegetation, inform the relevant authorities.
- 6.3 Collect as much product as possible and, if necessary, absorb the rest with inert materials. Wash the area with water. Dispose of in compliance with relevant current standards.

7 Handling and Storage

- 7.1 Handling: Avoid contact. Do not eat or drink whilst handling.
- 7.2 Incompatible materials: None in particular
- 7.3 Procedures: Storage conditions: Keep the containers well closed, in suitable environments at temperatures from +5°C to + 30°C

8 Exposure control / personal protection equipment:

- 8.1 Precautionary measures: Do not eat or drink during work. Wash hands well at every break and after work.. The work environments must be suitably ventilated
- 8.2 Protection of respiratory tracts: A mask suitable for the nature of the product.
- 8.3 Hands Protection: Protective rubber gloves, protection level 2 (standard EN 374)
- 8.4 Eye Protection: Safety goggles
- 8.5 Skin protection: No measure for normal use
- 8.6 Limit to exposure: No measure for normal use

9 Physical and Chemical Properties

- 9.1 Appearance: liquid
- 9.2 Colour: Neutral white
- 9.3 Odour: Slight
- 9.4 pH: ca. 3,5 +/- 0,50
- 9.5 Solidification Point: 0°C
- 9.6 Boiling Point: 100°C
- 9.7 Flashpoint: Non applicable/non-inflammable
- 9.8 Solubility in water: Miscible
- 9.9 Specific Weight/Volumetric Mass: 1,0 +/- 2 kg/l at 20°C

10 Stability and Reactivity

- 10.1 Conditions to be avoided: None. Stable in normal use.
- 10.2 Substances to be avoided: Strong acids and cationic products

- 10.3 Hazardous Decomposition Products: Stable under normal conditions.

11 Toxicological Information

- 11.1 No specific toxicological information on the product is available
- 11.2 Frequent, prolonged contact causes skin irritation and dermatitis and eye irritation.
- 11.3 LD50/oral rat: > 2000mg/kg (based on the components)

12 Ecological Information

- 12.1 Biodegradability: Polymers in aqueous dispersion have typically low biodegradability (<10%) but are not considered to be of environmental interest as they are not bioaccumulable (log Pow <3) and furthermore can be easily eliminated in purification plants.
- 12.2 Water toxicity: Not dangerous based on the components
- 12.3 LC50> 100mg/l aquatic species (data estimated based on calculation method of Dir. 199/45/EC)
- 12.4 Avoid dispersing the product into the environment.
- 12.5 The effluent waters and residuals are not to be poured into the drains, the soil or into watercourses.

13 Disposal Considerations

- 13.1 The product remains, the effluent waters from its use and empty containers, must be disposed of in conformity with the regulations in force on waste material.

14 Transport Information

- No Restriction
- 14.1 Road transport: Not dangerous goods, not inflammable, not explosive, not subject to legislation (A.D.R.),
- 14.2 Air transport: Not dangerous goods, not inflammable, not explosive, not subject to legislation (IATA/ICAD)
- 14.3 Sea transport: Not dangerous goods, not inflammable, not explosive, not subject to legislation (IMDG)
- 14.4 Rail transport: Not dangerous goods, not inflammable, not explosive, not subject to legislation (RID)

15 Regulatory information: classification standards and labelling

- 15.1 In conformity with the provisions of Italian Legislative Decree 03/65 and EC Directive 99/45 the product is labelled as follows:

Phrases S	S2	Keep out of reach of children
	S24/25	Irritant for eyes and skin
	S26	Wash with copious amounts of water. If necessary, consult a doctor.

Where applicable, please refer to the following regulations: (health checks) (health and safety of workers)

16 Other Information

- 16.1 Data provided in conformity:
 - 16.1.1 Directive 1999/45 UEE and successive modifications
 - 16.1.2 Directive 67/548 UEE and successive modifications and adjustments
 - 16.1.3 Directive 91/155 UEE and successive modifications
- 16.2 For further information on the product, contact Giorgio Graesan & Friends s.a.s. Tel. +39 - 02.9903951

Abbreviations: ND = Not Determined, N/A = Not Applicable NR, = Not Relevant.

NOTE: The information contained in this safety sheet only refers to the specific product mentioned. Not to be used for other purposes than those indicated on this sheet. Giorgio Graesan & Friends s.a.s. Di Shila Graesan does not accept any responsibility for improper and/or other uses of the product or for such information being accurate and reliable when this safety sheet is issued as it is based on the current knowledge provided by Italian Legislative Decree 03/65 and the LEGAL DIRECTIVES 1999/45 EC, 2001/58 EC and 2001/60 EC. However, Giorgio Graesan & Friends s.a.s. Di Shila Graesan recommends that those who receive this safety sheet conform to the hygiene, personal protection and environmental regulations provided for by the laws in force. The information contained in this sheet is to be considered a description of the product characteristics for safety purposes and not to be considered a guarantee of the properties of the product itself.