



**1. Identification of the preparation and of the company**

**1.1 Identification of the preparation**

Thermo insulator paste for solders.

**1.2 Use of the preparation**

It insulate gips, acrylic and orthodontic products during soldering works.

**1.3 Company identification**

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**1.4 Emergency telephone**

++39 (0)55.30.44.1. An answering machine is on during closing time.

**2. Hazards identification**

Upon a correct use, according to our experience no significant hazards to man or environment are reasonably foreseen.

**3. Composition/information on ingredients**

Product: aqueous and inorganic mass of minerals with stabilizers.

Information on hazardous ingredients<sup>1</sup> and composition %

Chemical name	EC <sup>2</sup> Number	%	CAS <sup>3</sup> Number	Hazard symbols <sup>4</sup>	R <sup>4</sup> Phrases
Hydrochloric acid	231-595-7	< 3	7647-01-0	C, Xi	R34, R37

**4. First aid measures**

Skin contact: flush with water and soap.

Eye contact: keeping eyes well open, rinse immediately with plenty of water for at least 10 minutes. Seek medical attention if irritation persists Ingestion: drink lots of water and seek medical advice. The product is slightly alkaline.

Information for the doctor: treat upon symptoms.

**5. Fire-fighting measures**

Suitable fire extinguishing methods: foam and dry extinguishers.

Not suitable fire extinguishing methods: none

Further information: if possible keep product in storage away from fire. If it is not possible, cool containers with irrigation of water.

**6. Accidental release measures**

Clean up methods: pick up the product by dry mechanical means and wash the area with water (slipping hazards).

**7. Handling and storage**

Keep containers tightly closed to avoid the desiccation and store at room temperature.

Storage temperature: 5-40°C; the product is sensitive to cold.

**8. Exposure controls/personal protection**

Respiratory protection: not necessary in normal environment.

Hand protection: wear suitable gloves

Eye protection: wear a suitable eye/face protection

Skin protection: wear suitable protective clothing.

Hygiene rules and personal protection: when using the product, do not drink, eat or smoke.

After work or before a break, wash hands carefully.

**9. Physical and chemical properties**

**9.1. General information**

Appearance: paste

Odour: odourless

<sup>1</sup> The occupational exposure limits (OEL), if known, are listed in section 8.

<sup>2</sup> Number of European Catalogue. The EC number is made of a sequence of 7 figures, whose first group of 3 figures begins with 2 or 4 depending on which substance is included in the EINECS (European Inventory of Existing Commercial Chemical Substances) or in the ELINCS (European List of Notified Chemical Substances), or it begins with 5 if the substance is included in the list of "ex-polymers."

<sup>3</sup> CAS Number (Chemical abstract service).

<sup>4</sup> Hazards related to the ingredients of the product are indicated in section 2, information to be shown on the label are indicated in section 15.

Explanation of hazardous symbols and Risk phrases is indicated in section 15 and 16.



Colour: green.

### 9.2. Health, safety and environmental information

pH in supplying condition: 9  
Flash point: not combustible  
Flammability, solid: 13-15%  
Density, at 20°C approx.: 1.1 g/ml  
Viscosity: 2000000 ((Brookfield RVT Viscometer, 1 turn/min., 20°C spindle 7).

### 10. Stability and reactivity

Conditions to avoid: not known.  
Material to avoid: not known  
Hazardous decomposition products: not known.  
Hazardous reactions: not known.

### 11. Toxicological information

No toxicological information is available on the product. It is slightly alkaline.

### 12. Ecological information

It is a mostly inorganic substance.  
Use properly according to the regular working procedures. Avoid dispersion in the environment.

### 13. Disposal considerations

Dispose of in accordance with local and national regulations. In Italy dispose of according to Legislative Decree of April 3 2006 no. 152 "Regulations on environmental subject", application of European Directives on environmental protection, and subsequent modifications and integrations.

### 14. Transport information

The product is not hazardous within the meaning of transport regulations.

### 15. Regulatory information

- Health, safety and environmental information shown on the label according to European Directives on hazardous materials and substances

None.

- Information related to further dispositions

Hydrochloric acid is a substance classified under Annex I of Directive 67/548/EEC with the number 017-002-01-X.

### 16. Other information

The safety data sheet has been written according to relevant European provisions, on the basis of information received by the supplier of preparation.

Hazard symbols, risk phrases shown on section 3, and the safety phrases:

Hazard symbols:	C	Corrosive
	Xi	Irritating
Risk phrases:	R34	Causes burns
	R37	Irritating to respiratory system
Safety phrases:	S1/2	Keep locked up and out of the reach of children
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

are specific for some ingredients and not shown on the product label.

The product is intended for orthodontic and odontological use only. The use of the product has to be restricted to skilled and licensed professionals.

The information drawn herein is based on our knowledge at the date of the issue.

The information is exclusively provided related to the product herewith specified and is not intended as a warranty of quality.

Leone disclaims any responsibility arising out of the use of the information here furnished, or of the handling, the application or the manufacture of the product here described. The final user is called to verify the application and completeness of the information herein in relationship to the specific use and reliability of the rules and local applicable dispositions.

The present information doesn't imply any liberty to break patent rights.



Previous safety data sheet n. R05/3E dated 17/05/2001 is to be considered cancelled. In comparison to the preceding revision, meaningful changes have not been effected but only adjustments to the European provisions which regulate the compilation of safety data sheet.

This safety data sheet is subject to revision.

Visit our web site [www.leone.it](http://www.leone.it) for an updated version of the present sheet.