



SECTION 1: Identification of the substance or mixture and of the company

1.1. Product identifier

Product name Thermo insulator paste for solders.
Product description Aqueous inorganic mineral paste with stabilizers.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Use Industrial application: It insulates gips, acrylic and orthodontic products during soldering works.

1.3. Details of the supplier of the safety data sheet

Leone s.p.a.
I – 50019 Sesto Fiorentino – Firenze - Via P. a Quaracchi, 50
e-mail: research@leone.it – <http://www.leone.it>
Tel. +39 055.30.44.1 – Fax +39 055 374808.

1.4. Emergency telephone number

+39 055.30.44.1. An answering machine is on during closing time.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

According to Regulation (EC) no. 1272/2008 [CLP].
This product does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) no. 1272/2008 on classification, labelling and packaging of substances and mixtures.
Upon a correct use, according to our experience no significant hazards to man or environment are reasonably foreseen.

2.2. Label elements

Not applicable.

2.3. Other hazards

Not classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

This product is a mixture.

3.2. Mixtures

Aqueous inorganic mineral paste with stabilizers.
According to Regulation (EC) no. 1272/2008 [CLP], this product does not meet the criteria for classification as hazardous in accordance with Titles I and II. Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. Note that the concentration of hazardous goods in the mixture are too low to give the mixture some of their specific hazard.
Information on hazardous ingredients and composition %.

According to Regulation (EC) no. 1272/2008 [CLP].

Hazardous Ingredient(s)	% W/W	EC No.	CAS No.
Hydrochloric acid	< 3	231-595-7	7647-01-0

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation IF INHALED: No measures required.
Skin contact IF ON SKIN (or hair): Wash affected skin intensively with water and soap.
Eye contact IF IN EYES: Flush eye with water for at least 10 minutes with lids wide open. If symptoms persist consult a doctor.
Ingestion Drink plenty of water and seek medical advice. Product is slightly alkaline.
Notes to a doctor Treat according to recognizable symptoms.

4.2. Most important symptoms and effects, both acute and delayed

Not applicable.

4.3. Indication of any immediate medical attention and special treatment needed

None necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing Media In case of fire, use foam and dry chemical.
Unsuitable extinguishing Media None

5.2. Special hazards arising from the substance or mixture

Not known.

Special Note



If possible remove stored items from the scene of fire. If this is not possible, protect container from heating by water-spray.

5.3. Advice for firefighters

Not required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not required.

6.2. Environmental precautions

Not required.

6.3. Methods and material for containment and cleaning up

Wipe up mechanically with dry cleaning rag, clean up remainders with water (slippery).

6.4. Reference to other sections

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep Container tightly closed to avoid exsiccation. No special protective measures against fire required.

7.2. Conditions for safe storage, including any incompatibilities

Store at room temperature.

Storage temperature: 5-40 °C (sensitive to frost).

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information about design of technical facilities

Not applicable.

Occupational exposure limits in the workplace and / or biological limit values

Not applicable.

Occupational Limits of the European Union

Not applicable.

8.2. Exposure controls

Appropriate engineering controls

Do not eat, drink or smoke at the work place. The following information is given as general guidance.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection	Protective glasses / Face protection.
Skin protection	Protective gloves of all kinds - without restriction.
Respiratory protection	Not required under normal conditions.
Body protection	Protective work clothing.
Industrial Hygiene	When using do not eat, drink or smoke. Wash hands thoroughly after work and before breaks.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Pasty.
Colour	Blue.
Odour	Not discoverable.
pH:	9 (on delivery state).
Flash point	Not flammable.
Flammability	13 – 15 % solids content.
Viscosity	2000000 Brookfield RVT, 1 Upm, 20 °C Spindle 7.
Density	1.1 g/ml at 20°C.

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive material.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not known.



10.4. Conditions to avoid

None.

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition product(s)

Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

SECTION 12: Ecological information

It is a predominantly inorganic substance (degradability is not affected).

12.1. Toxicity

Not applicable.

12.2. Persistence and degradability

Not applicable.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Not known.

SECTION 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.

13.1. Waste treatment methods

The waste code number, according to the European waste catalogue (EWC) is 9 11 01. Dispose of the uncleaned packaging according to local regulations.

SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) no. 1272/2008 (Classification, labeling and packaging of substances and mixtures) and subsequent amendments, amending and repealing Directive 67/548/EEC and 1999/45/EC, and amending Regulation (EC) no. 1907/2006.

Directive 2009/161/EU (third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC).

15.2. Chemical safety assessment

Not applicable.



SECTION 16: Other information

This Safety data sheet was prepared in accordance with the Commission Regulation (EU) no. 453/2010 and Commission Regulation (EU) no. 2015/830.

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

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 relates only to specific product designated 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 does not imply any liberty to break patent rights.

Previous safety data sheet no. R05/5E dated 16/01/2017 is to be considered obsolete. 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 sheets.

This safety data sheet is subject to revision. Visit our web site www.leone.it for an updated version of the present sheet.

Legend

CAS No.: Chemical Abstract Service Registry number.

EC No.: European Inventory of Existing Commercial Chemical Substances.

PBT: Persistent, Bioaccumulative And Toxic Substances.

vPvB: Very Persistent And Very Bioaccumulative Substances.