



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

1.1. Product identifier

Product description: Polishing fluid for resin.

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

Identified Use Professional use: Polishing fluid for acrylic plates.

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.

Products do not constitute a hazardous material in their solid form. According to our experience and information, the product is not dangerous under a correct use.

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

Composition: 5-15 % soap.

Information on ingredients:

Components	%W/W	EC no.	CAS no.	Hazard Class and Category Code(s)	Hazard statement Code (s)
Ammonium oleate	5-15	208-873-1	544-60-5	Eye irrit.	H319

SECTION 4: First aid measures

4.1. Description of first aid measures

No special measures are required.

Inhalation Not relevant.

Skin contact Rinse with water. Remove contaminated clothing.

Eye contact Rinse under running water (for 10 minutes); eventually seek medical attention.

Ingestion Call a doctor.

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

Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing Media All extinguishing agents are suitable.

Unsuitable extinguishing Media None.

5.2. Special hazards arising from the substance or mixture

No special precautions are necessary.

5.3. Advice for firefighters

No special precautions are necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Danger of slipping on the spilled product. Avoid contact with eyes and skin. Ensure adequate ventilation.



6.2. Environmental precautions

Avoid contamination of surface and ground water.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Wash spill area with water.

6.4. Reference to other sections

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

If used according to specifications it does not require special precautions.

7.2. Conditions for safe storage, including any incompatibilities

No indication on the storage containers materials. Follow goods in common storage rules. Store in dry place: +5°C-+40°C.

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Not applicable.

8.2. Exposure controls

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

Eye/face protection	Safety sealed glasses.
Hand protection	Use protective gloves for chemicals. Observe the notes of the manufacturers of gloves.
Respiratory protection	Not necessary.
Body protection	Chemical protective clothing. Follow the manufacturer's instructions.
Hygienic measures	Avoid contact with eyes and skin. Immediately remove contaminated clothing. Wash off any contaminated skin with soap and water, apply skin cream.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous emulsion and murky.
Colour	Beige/Grey.
Odour:	Pungent.
Flash point	No flash point up to 100 ° C. Aqueous preparation.
Density	1.100 g/cm ³ (at 20°C).
pH	9.8 – 10.2 (at 20 °C; Conc.: 100 % product).

9.2. Other information

No further details as regards the safety-relevant parameters are required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not known under normal usage conditions.

10.2. Chemical stability

No indication.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Not applicable.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition product(s)

The product does not decompose if used properly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data are available about animal testing. According to the law, this product is a chemical preparation. The following evaluation has been made on the basis of the toxicological data and based on the limited amount of the individual ingredients. By reason of the data available and according to the toxicological evaluation, the product is not classified as harmful.



Acute toxicity	Considering the data on acute toxicity and the quantities of the ingredients, the product is neither toxic nor harmful if swallowed.
Irritation	Skin: slightly irritating, does not require labeling. Eye: slightly irritating, does not require labeling.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity: LC50 > 10 - <= 100 mg product/l.

Acute bacterial toxicity: EC50 > 10 - <= 100 mg product/l.

12.2. Persistence and degradability

In test for ease of degradability, the sum of all organic components contained in the product achieve values > 60% BOD / COD, or CO2 is formed, that means > 70% DOC reduction – it is in Limit Values expected for "Readily biodegradable / readily degradable "(eg. to methods OECD 301).

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 applicable.

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

Contaminated packaging: Dispose of as recyclable material, just empty boxes.

SECTION 14: Transport information

Not dangerous according to current transportation 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. R12/4E dated 29/05/2009 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 sheet.

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

Hazard statements

H319: Causes serious eye irritation.

Legend

BOD: Biochemical Oxygen Demand.

CAS No.: Chemical Abstract Service Registry number.

COD: Chemical Oxygen Demand.

DOC: Dissolved Organic Carbon.

EC50: Half maximal Effective Concentration: Refers to the concentration of toxicant which induces a response halfway between the baseline and maximum after a specified exposure time.

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

IBC Code: International Bulk Chemicals Code.

ISO International Organization for Standardization.

LC50: Lethal Concentration 50: lethal concentration of substance for 50% of organisms of a certain population during a certain exposure period.

OECD 301: Organization for Economic Co-operation and Development, Ready Biodegradability Tests.

PBT: Persistent, Bioaccumulative And Toxic Substances.

vPvB: Very Persistent And Very Bioaccumulative Substances.