



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

### 1.1 Identification of the preparation

Polishing fluid for resin.

### 1.2 Use of the preparation

Polishing fluid for acrylic plates

### 1.3 Company identification

Leone s.p.a.

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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

According to our experience and information, the product is not dangerous under a correct use.

## 3. Composition/information on ingredients

Product: 5-15 % soap.

Information on ingredients:

Chemical name	EC <sup>1</sup> Number	%	CAS <sup>2</sup> Number	Hazard symbols <sup>3</sup>	R <sup>3</sup> Phrases
Ammonium oleate	208-873-1	5-15	544-60-5	Xi	R36

## 4. First aid measures

- Inhalation: not remarkable.
- Ingestion: seek for medical advice.
- Skin contact: wash with water. Dispose of contaminated clothing.
- Eye contact: rinse with running water (for at least 10 minutes); eventually seek medical advice.
- General information: in case of disorder, seek medical advice.

## 5. Fire-fighting measures

- Suitable extinguishing media: any kind of fire extinguishing media.
- Unsuitable extinguishing media: none.
- Special hazards coming from the exposition to preparation, combustion products and gases: no indications.
- Additional information: no special measures are necessary.

## 6. Accidental release measures

- Personal protection: spillage may present slipping hazard. Avoid contact with eyes and skin.
- Environmental precautions: prevent the product from entering drains or water sources.
- Removal measures: pick up with mechanical means. Wash the rest with plenty of water.
- Conditions to avoid during removal: no indications.

## 7. Handling and storage

### 7.1 Handling

Measures for a secure use: no indications.

Explosion and fire measures: no special measures are required under a correct use.

### 7.2 Storage

Compatible material (containers): no indications.

Incompatible material (containers): no indications.

Storage measures to follow: keep dry at between +5°C and +40°C.

Storage with other compounds: follow the rules of common storage.

## 8. Exposure controls/personal protection

Respiratory protection: not necessary.

Hand protection: wear gloves for chemicals. Follow the manufacturer instructions.

Eye protection: wear protective goggles.

Body protection: chemical protection clothes. Follow the manufacturer instructions.

<sup>1</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>2</sup> CAS Number (Chemical abstract service).

<sup>3</sup> Hazards related to the ingredients of the preparation 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



Further dispositions: protection devices required only in case of industrial use or for great volumes.  
Hygienic practices: avoid contact with skin and eyes. Remove immediately the contaminated clothing.  
Wash the contaminated skin area with plenty of water and soap and apply a skin cream.  
General protection measures: no special measures are required.

## 9. Physical and chemical properties

### 9.1. General information

Delivery status: emulsion  
Status: viscous, turbid  
Colour: beige/grey  
Odour: pungent.

### 9.2. Health, safety and environmental information

pH (20°C, Conc.: 100% product): 9.8 – 10.2  
Flash point: no flash point up to 100°C, aqueous preparation  
Density (20°C): 1.100 g/cm<sup>3</sup>.

## 10. Stability and reactivity

- Conditions to avoid: no indications.
- Thermal decomposition products: no indications.
- Decomposition information: it does not decompose under normal conditions.
- Hazardous reactions to other substances: none under normal conditions.

## 11. Toxicological information

General information: data about tests on animals are not available.

This product is a chemical compound in accordance with law provisions. The following evaluation has been effected on the base of the toxicological data and upon the content of the single ingredients.

According to our data and basing upon the toxicological evaluation, the product is not classified as harmful.

Acute toxicity - oral: in consideration of the data related to the acute toxicity and the content of the ingredients, the product doesn't result to be either toxic or harmful for ingestion.

Primary skin irritation: slightly irritating, not subject to labelling obligation

Primary eye irritation: slightly irritating, not subject to labelling obligation.

## 12. Ecological information

On the base of raw materials and/or similar ingredients contained in the product, the following ecological evaluation has been detected:

Acute fish toxicity:  
Evaluation: LC<sub>50</sub><sup>4</sup> : 10 mg product/l

Acute bacterial toxicity:  
Evaluation: EC<sub>50</sub><sup>5</sup> : 10 mg product/l

Final degradability (screening test)  
Evaluation: on tests of easy degradability, the sum of all organic components contained in the product has got the values > 60% BOD/COD<sup>6</sup>, that is CO<sub>2</sub>, or > 70% of decrease DOC<sup>6</sup> - included in the value limits anticipated for "readily degradable" (methods OECD<sup>7</sup> 301).

## 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.

Disposal of contaminated packaging: dispose only empty packages as recycling material.

## 14. Transport information

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

<sup>4</sup> LC<sub>50</sub> Lethal Concentration, lethal concentration of substance for 50% of organisms of a certain population during a certain exposure period.

<sup>5</sup> EC<sub>50</sub> Effective Concentration, effective concentration of a specific answer for 50% of organisms of a certain population for a certain exposure limit.

<sup>6</sup> BOD (Biochemical Oxygen Demand), COD (Chemical Oxygen Demand), DOC (Dissolved Organic Carbon) are indicators for measurement of chemical compounds quantity in water.

<sup>7</sup> OECD, Organisation for Economic Co-operation and Development.



### 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

None.

### 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 or risk phrases shown on section 3, and safety phrases:

Hazard symbols:	Xi	Irritating
Risk phrases:	R36	Irritating to eyes.
Safety phrases:	S2	Keep out of the reach of children

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. R12/3E 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.