



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

### 1.1 Identification of the preparation

Copolymer plates.

### 1.2 Use of the preparation

For the duplication of gips models.

### 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

*Information given by this safety data sheet refers to the raw material used to manufacture all or part of Leone products, for this reason some instructions concern the personnel involved in the manufacturing process and not the final user.*

Referring to European Directives on hazardous materials, the material is considered not dangerous.

Powders have specific fire risks.

Fire hazards: see section 5.

Hazards in case of spillage/leakage: see section 6.

Inhalation of vapours, fumes, powders: see section 7.

Hazards of contact with melted polymers: see section 4.

Environmental hazards: see section 12.

## 3. Composition/information on ingredients

Preparation: ethylene vinyl acetate copolymer (Number CAS<sup>1</sup> Number 24937-78-8).

Hazardous components: none.

## 4. First aid measures

- Skin contact: if melted polymer gets in contact with skin, wash immediately with cool water. Burns have to be treated clinically.

- Eye contact: wash with plenty of water.

## 5. Fire-fighting measures

The material is combustible.

- Extinguishing suitable media: water, CO<sub>2</sub>, foam or dry extinguishers.

- Unsuitable extinguishing media: none.

- Combustion products: carbon dioxide, water. In case of incomplete combustion, carbon monoxide, hydrocarbons, aldehydes, ketones and acetic acid may be developed.

- First aid: if someone has inhaled fumes, remove him from the danger zone. In case of nausea, seek medical assistance.

## 6. Accidental release measures

In case of leakage/spillage restrain the loss to avoid danger of sliding.

## 7. Handling and storage

During the processing of the material, avoid inhalation of fumes or powders by providing good ventilation of the workplace and, if necessary, provide for ventilation system.

In order to preserve the performance of the product, store away from direct sunlight, in well ventilated, cool and dry places.

Fire precautions: any contact with flame or hot surface must be avoided.

Powder formation hazard: powder formation during processing must be avoided.

## 8. Exposure controls/personal protection

### 8.1. Exposition limit values<sup>2</sup>

Vinylacetate, professional exposure limit (TWA): 10 ppm (35 mg/m<sup>3</sup>); STEL<sup>3</sup> = 15 ppm (53 mg/m<sup>3</sup>).

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

<sup>2</sup> The "occupational exposure limit", if not otherwise specified, is the average limit or serious concentration in the time of a chemical agent in the air inside the breathing area of a worker related to a specific period of time (Directive 98/24/EC on health and safety protection of the workers against the consequential risks from chemical agents during the job); the TWA (time weighted average) indicator is the serious average concentration in the time for a working day of 8 hours.

<sup>3</sup> STEL, Short Term Exposure Limit, generally calculated at 15 minutes.



Particles (insoluble or poorly soluble) not otherwise specified (inhalation): TWA = 10 mg/m<sup>3</sup> (ACGIH<sup>4</sup> 2004).

### Exposure control

Use gloves, goggles and normal working equipment.

In case of powders, avoid inhalation.

## 9. Physical and chemical properties

### 9.1. General information

Appearance: solid, transparent

Odour: of vinegar.

### 9.2. Health, safety and environmental information

Melting point: 60 – 100°C

Solubility in water: none

Auto ignition temperature: approx. 300°C

Density: 920 – 960 kg/m<sup>3</sup>

Heat of combustion: approx. 44 MJ/Kg.

## 10. Stability and reactivity

Stable and chemically inert at room temperature.

Prolonged exposure to temperatures over 200°C may cause resin degradation.

## 11. Toxicological information

Avoid exposure to fumes eventually developed during the working process, by furnishing a good ventilation to the working area and, if necessary, to equip it with a system of aspiration.

## 12. Ecological information

The product is not biodegradable, it can be recycled using suitable technologies.

It does not contain, as additives, compounds of lead, mercury, cadmium and chromium. It does not contain asbestos, chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), and halons. It is not a water endangering material. It is very slowly degraded by solar UV irradiation.

## 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.

Recycling is possible by melting and pelletizing.

## 14. Transport information

None. 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

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 product.

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.

<sup>4</sup> ACGIH: American Conference of Governmental Industrial Hygienists, USA.



Previous safety data sheet n. T06/2E dated 17/05/2001 has 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.