

**ACROSIL - PUTTY (HARD & SOFT)  
CONDENSATION (POLY SILOXANE)  
MATERIAL SAFETY DATA SHEET**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**I- MANUFACTURER:**  
Marlic Medical Industries Co.  
Unit 8, No. 12, Fajr St, Motahari Ave.  
P.O.BOX: 15754-431  
Tehran – Iran

**II- TELEPHONE:**  
Tel: 0098 21 88325938  
Fax: 0098 21 88315069

**III- PRODUCT:** ACROSIL PUTTY (FOR HIGH PRECISION DENTAL IMPRESSION)

**IV- CHEMICAL NAME:** POLY SILOXANE

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

>> PREPARATION  
Chemical nature: Polyorganosiloxanes and inert mineral fillers.  
Components contributing to the hazard: None.

**3. HAZARDS IDENTIFICATION**

**MOST IMPORTANT HAZARDS:**  
**Adverse human health effects** Slightly irritating to eyes.  
**Environmental effects** Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.  
**Physical and chemical hazards:**  
**-Fire or explosion** Combustible solid.  
**-Further hazards** No specific hazard under normal conditions of use.  
**Classification/Specific hazards:** According to EEC criteria, this product is not classified as a "hazardous preparation".

**4. FIRST - AID MEASURES**

- **INHALATION:** Not specifically applicable.
- **SKIN CONTACT:** Wipe off as much as possible \*using a clean, soft, absorbent material). Wash with soap water.
- **EYES CONTACT:** Rinse with water whilst keeping the eyes wide open.
- **INGESTION:** Consult a doctor if necessary.  
NEVER attempt to induce vomiting.

**5. FIRE FIGHTING MEASURES**

- **Extinguishing Media:**
  - **Suitable** Water spray.  
Foam.  
Powders.  
Carbon dioxide (CO2).
  - **Not suitable** None to our knowledge. If there is a fire close by, use suitable extinguishing agents.
- **Specific hazards:** Extinguishing agents.  
Combustible  
Strong water jet.

- **Specific fire fighting methods:** During combustion:  
Toxic gasses or vapours are released.
- **Protection of fire – fighters:** Cool down the containers/equipment exposed to heat with a water spray.  
  
Self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** - appropriate gloves.  
Personal protective equipment:
- **Environmental Precautions:** This product does not present any particular risk for the environment.
- **Methods for cleaning up:**
- **Recovery:** Collect up the product and place it in a spare container: - suitably labeled.  
- with a closing device.  
Keep the recovered product for subsequent disposal.
- **Cleaning /Decontamination:** Then wash with plenty of water.  
Decontaminate and wash the floor with an appropriate self-emulsifying solvent.
- **Disposa:** Dispose of materials or solid residues at an authorized site.

## 7. HANDLING AND STORAGE

- **HANDLING:**
- **Technical measures:** Does not require any specific or particular technical measures.
- **Safe handling advice:** Comply with instructions for use (refer to technical sheet).
- **STORAGE:**
- **Technical measures** Does no require any specific or particular technical measures.
- **Storage conditions**
- **Recommended** Stable under normal storage conditions.
- **Incompatible products** Strong oxidizing agents.
- **Packaging:**
  - Steel drum varnished with epikote.
  - Plastic container.
- **Packaging materials:**
- **Recommended** Coated steels.  
Plastic materials (polyethylene, polypropylene).

## 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

- **Engineering measures:** No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.
- **personal protective equipment:**
- **Eye protection** Handling product in bulk:  
Safety spectacles.
- **Hygiene measures:** Do NOT drink, eat or smoke in the workplace.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:**
- **Physical state:** Viscous paste.
- **Color** Blue. Yellow.
- **Odor:** None.
- **pH:** Not applicable
- **Specific temperatures:**
- **Decomposition temperatures** >200°C.
- **Flammability characteristics**
- **Flash point** >200°C (closed cup, according to method ASTM D-56).
- **Auto-ignition temperature** >400°C (spontaneous ignition temperature).
- **Oxidizing properties:** Non oxidizing material according to EC criteria.  
<0.01 kPa at 20°C.

- **Vapour pressure:**
- **Specific gravity:** 1.64 g/cm<sup>3</sup> at 25°C.
- **Solubility:** Practically insoluble.
- **In water:** Dispersible (partial solubilisation) in:
  - Diethyl ether
  - Chlorinated solvents.
  - aromatic hydrocarbons. (toluene, xylene).
  - Aliphatic hydrocarbons.
- **In organic solvents:**

## 10. STABILITY AND REACTIVITY

- **Stability:** Stable at room temperature.
- **Hazardous reactions**
- **Materials to avoid:**
  - strong oxidizing agents
- **Hazardous decomposition products:**

Reacts with:

On combustion or on thermal decomposition (paralysis) releases:  
 Flammable vapours which may generate fire or explosion hazards.  
 Toxic gases.  
 Hazardous dusts.  
 (carbon oxides (CO+CO<sub>2</sub>)).

## 11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:**

LD 50 skin (Rat): >2000 mg/kg.  
 (Results based on a similar formulation).  
 (Unpublished internal reports).  
 LD 50 oral (Rat): >2000 mg/kg.
- **Local effects:**

(Unpublished internal reports)  
 Not irritating when applied to the skin of a guinea pig.

## 12. ECOLOGICAL INFORMATION

- **Behaviour in the environment:**
- **Persistence/Degradability** Very slightly biodegradable.
- **Bioaccumulation** Very slightly bioaccumulable.
- **Destination of the product** Ultimate destination of the product: SOIL and SEDIMENT.

## 13. DISPOSAL CONSIDERATIONS

- **WASTE FROM RESIDUES:**
- **Prohibition**
- **Destruction / Disposal**

Do NOT allow the product to be released into the environment.  
 Dilute with a flammable solvent and incinerate at a licensed installation.  
 Dispose of at a licensed waste collection point.  
 Un-vulcanized product:  
 Vulcanized product.  
 May be disposed of with non hazardous industrial waste.
- **CONTAMINATED PACKAGING:**
- **Decontamination/cleaning** Scrape or drain carefully.
- **Destruction/Disposal**

Entrust the thoroughly decontaminated Packaging to a licensed waste-contractor.  
 Dispose of at an approved site.
- **NOTE:**

The user's attention is drawn to the possible existence of local regulations regarding disposal.

## 14. TRANSPORT INFORMATION

- **INTERNATION REGULATIONS:**
- **Land**

- Rail/road (RID/ADR)
- Sea (IMO/MDG)AL
- Air (ICAO-IATA)
- NOTE

NOT restricted.  
NOT restricted.  
NOT restricted.

The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

## 15. REGULATORY INFORMATION

- LABELLING:
- EC regulations
- NOTE

Mandatory labeling (self-classification) of hazardous preparations:

NOT Applicable.

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

---

The above information has been gathered from reliable sources and is believed to be correct. However, the information is provided without any warranty, either expressed or implied. Marlic Medical Ind. Co., Inc. shall not be held liable for any damage resulting from the handling of or contact with the above product.