ACROSIL - WASH (ELB) & (LB)
CONDENSATION (POLY SILOXANE)
MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

I- MANUFACTURER:
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II- TELEPHONE:
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III- PRODUCT: ACROSIL (FOR HIGH PRECISION DENTAL IMPRESSION)

IV- CHEMICAL NAME: POLY SILOXANE

2. COMPOSITION / INFORMATION ON INGREDIENTS

>> PREPARATION
Chemical nature: Product based on polyorganosiloxanes and inert mineral fillers.

Components contributing to the hazard: None.

3. HAZARDS IDENITIFICATION

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 liquid

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:** Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.
  Of irritation persists, consult an eye specialist.
- **INGESTION:** Consult a doctor if necessary.
  Do NOT give an unconscious person anything to drink.

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:**
  - **Suitable** Foam.
    Powders.
    Carbon dioxide (CO_2).
  - **Not suitable** None to our knowledge. If there is a fire close by, use suitable extinguishing agents.
- **Specific hazards:** Combustible liquid.
  On heating or during combustion.
  Toxic and flammable vapors are released (explosion hazard).

- **Specific fire fighting methods:** Cool down the containers/equipment exposed to heat with a water spray.
- **Protection of fire – fighters:** Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** - safety glasses.
  Personal protective equipment:
  Turn leaking containers leak-side up to prevent the escape of liquid.
- **Environmental Precautions:** This product does not present any particular risk for the environment.
- **Methods for cleaning up:**

- **Recovery** Collect up the product ad place it in a spare container: - suitably labeled.
  - with a closing device.
  Keep the recovered product for subsequent disposal.
- **Neutralization** Absorb non-recoverable liquid with:
  - dry sand or dry inert absorbent.
- **Cleaning /Decontamination** Then wash with plenty of water.
  Decontaminate and wash the floor with an appropriate self-emulsifying solvent.
- **Disposal** Incinerate contaminated materials at an authorized installation.

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).
  Following addition of the catalyst, only use in well ventilated areas.

- **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 an epoxyphenolic resin.
  - Plastic container.
  - Metal container.

- **Packaging materials**
- **Recommended:** Coated steels.
  Plastic materials (polyethylene, polypropylene).
  Coated metals.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

- **Engineering measures:** Ensure good ventilation of the work station.

- **personal protective equipment:**
- **Eye protection** Goggles.
- **collective emergency equipment:** Eye fountain.
- **Hygiene measures:** Do NOT drink, eat or smoke in the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:**
- **Physical state** Liquid.
- **Form** Viscous.
- **Color** Ultramarine-blue.

- **Odor:** None.

- **pH:** Not applicable

• **Specific temperatures:**	
• **Decomposition temperatures**	>200°C.
• **Flammability characteristics:**	>180°C (closed cup, according to method ASTM D-56).
- **Flash point**	>400°C (spontaneous ignition temperature).
- **Auto-ignition temperature**	Non oxidizing material according to EC criteria.
• **Oxidizing properties:**	<0.01 kPa at 20°C.
• **Vapour pressure:**	1.21 g/cm3 at 25°C.
• **Specific gravity:**	
• **Solubility:**	
- **In water**	Practically insoluble.
- **In organic solvents**	Dispersible (partial solubilisation) in: - Diethylether - Chlorinated solvents. - aromatic hydrocarbons. (toluene, xylene). - Aliphatic hydrocarbons.
Dynamic viscosity:	Approx. 95000 mPa.s. A:7 V:10.

10. STABILITY AND REACTIVITY

• **Stability:**	Stable at room temperature.
• **Hazardous reactions:**	
- **Materials to avoid**	- strong oxidizing agents Reacts with:
- **Hazardous decomposition products**	On combustion or on thermal decomposition (paralysis) releases: Flammable vapors which may generate fire or explosion hazards. Toxic gases. (carbon oxides (CO+CO2)). During vulcanization, it releases alcohol.

11. TOXICOLOGICAL INFORMATION

• **Acute toxicity:**	LD 50 oral (Rat): >2000 mg/kg. (Results based on a similar formulation). (Unpublished Rhone-Poulenc work). LD 50 oral (Rat): >2000 mg/kg.
• **Local effects:**	May cause slight temporary irritation to ocular mucous membranes.

12. ECOLOGICAL INFORMATION

• **Behaviour in the environment:**	
• **Mobility**	Slightly soluble product, readily forms deposits.
• **Persistence/Degradability**	Very slightly biodegradable.
• **Bioaccumulation**	Very slightly bioaccumulable.
• **Destination of the product**	Ultimate destination of the product: SOIL and SEDIMENT.
• **Ecotoxicity**	
- **Effects on the aquatic environment**	No information available.

13. DISPOSAL CONSIDERATIONS

• **WASTE FROM RESIDUES:**	
• **Prohibition**	Do NOT discharge waste into drains.
• **Destruction / Disposal**	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**	Allow it to drain thoroughly. Rinse with an appropriate solvent. Recover the solvent used for rinsing and incinerate at a licensed site.

• **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)**	NOT restricted.
• **Sea (IMO/MDG)**	NOT restricted.
• **Air (ICAO-IATA)**	NOT restricted.
• **NOTE**	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**	Mandatory labeling (self-classification) of hazardous preparations: NOT Applicable.
• **NOTE**	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

Uses:	(For further information, refer to the product technical data sheet).
- Recommended uses	Moulding diverse objects.
