



# MSDS SOLUMASTIC

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ENGLISH

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product:** Unsaturated polyester resins solution in styrene to stick and to repair quartz surfaces.

**1.2 Company:** COSENTINO SA:

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Emergency phone. **Toxicological Information Medical Service: Tel. (91) 562.04.20**

## 2. HAZARD IDENTIFICATION

Flammable, Noxious by inhalation, skin and eyes irritant.

## 3. CHEMICAL IDENTIFICATION

Unsaturated polyester resins.

Styrene: Aprox: 20-50%

Index N°: 601-026-00-0

CAS N°: 100-42-5

Phrases R- 10, 20, 30, 36/38

Danger symbols: Xn, F

Limit concentration for the Xn danger symbol from 12,5%.

#### 4. FIRST AID

- \_ **Contact with the eyes:** Wash immediately with abundant water for 15 minutes. Remove contact lenses if easily removable. Get medical aid.
- \_ **Contact with the skin:** Wash the skin with large amount of water and soap. Get medical aid if necessary.
- \_ **Ingestion:** Wash the mouth with large amount of water. Get medical aid if necessary.
- \_ **Inhalation:** Move to a ventilated area with fresh air. Get medical aid if necessary.

#### 5. FIRE & EXPLOSION

- \_ **Extinguish Methods:** Foam, CO<sub>2</sub>, dry extinguisher powder. In big fires use pulverized water.
- \_ **Special risks:** Do not breathe the vapours from its decomposition.

#### 6. SPILL OR LEAK PROCEDURES

- \_ **Personal protection:** No special protection.
- \_ **Environmental protection:** Do not throw through the pipes. Eliminate ignition fonts and keep constant ventilation.
- \_ **Cleaning methods:** Use mechanical manipulation equipment. Combustion elimination. Keep wastage in closed packages and remove spills with chemical fixing products.

#### 7. STORAGE AND MANIPULATION PROCEDURES

- \_ **Manipulation:** Keep away from flames and sparks, do not smoke. Avoid contact with skin and eyes and the vapours inhalation
- \_ **Storage:** Keep in a ventilated dry and fresh area. Avoid temperatures over 60°C, sun light and UV radiation. Keep in mind the Styrene safety rules. Keep away from oxidizer materials. Protection against explosions. Keep in mind the styrene protection and handling rules.

## 8. SPECIAL PROTECTION INFORMATION

**\_ Exposition control:** Limited value in the air TRGS 900 (MAK) styrene, 20 ml/m<sup>3</sup> (ppm) about 85 mg/m<sup>3</sup> (average value in 8 hours).

**\_ Protection:**

- **Breath system:** Use breath protection in non ventilated areas.
- **Skin:** If occasional contact with the product can not be avoided, use rubber or PVC globes. Remove stained or wet clothes. Persons with tendency to allergic or skin problems should not work with the product.
- **Eyes:** Use protection clothes and eye protection.
- **Ingestion:** Keep away from food. Wash hands with water and soap after every working time.

## 9. PHYSICAL AND CHEMICAL DATA

**Appearance:** Paste

**Smell:** Styrene.

**Colour:** Slightly yellow/transparent.

**Boiling point:** About. 145°C (Styrene)

**Density :** About. 1,07 g/cm<sup>3</sup> at 20°C (essay DIN 51757).

**Viscosity:** 3000-50000 cps

**Vapours pressure:** <7 mbar

**Solubility:** Not soluble in water.

Other (organic): Yes (acetone, aromatic...)

**Flammability Styrene:** Higher (UEI): 0,88% vol. Lower (UEI): 6,8% vol.

**Flash point:** > 32 °C.

**Explosion limits Styrene:** Higher (UEI): 1,1% vol. Lower (UEI): 8,0% vol.

**Other:** Never mix accelerator and catalyst. Danger of explosion

## 10. STABILITY AND REACTIVITY

- \_ **Stability:** Stable in normal conditions (exothermic polymerization reaction).
- \_ **Polymerization:** Self polymerization at high temperatures and ultraviolet radiation.
- \_ **Materials to avoid:** Organic peroxides, Strong acids.
- \_ **Conditions to avoid:** High temperatures and straight sun light.

## 11. TOXICOLOGIC INFORMATION

- \_ **Styrene data:**
  - Toxicity: LD50 oral, rat: 5000 mg/Kg.
  - Properties, special effects: The vapours in high concentration irritate eyes and mycoses. In case of contact with the skin there is danger of irritation or allergic reactions.
  - Others: Non cancerigen.

## 12. ECOLOGICAL INFORMATION

- \_ Avoid penetration in surface waters and ground penetration.
- \_ **Kind of contamination Styrene** = WGK 2 – Water pollutant.
- \_ **Styrene indications.**
  - Toxicity in water for bacteria: EC00 = 72 mg/l. in 16 hours.
  - Toxicity in water for fish: CL50 = 17 mg/l. CL50 = 66 mg/l. Specie = Leuciscus idus. in 48 h.
  - Toxicity in water for spices Daphnia: EC50 = 182 mg/l. in 24 h.

## 13. DISPOSAL CONSIDERATIONS

- \_ **Product:** Can be incinerated in an adequate installation in compliance with current local sanitary regulations and laws.
- \_ **Contaminated packages:** Can be incinerated in an adequate installation in compliance with current local sanitary regulations and laws.

**14. TRANSPORT INFORMATION\***

\_ **Road (ADR) & Railway (RID):** Commodity not subject to ADR regulations in accordance with 2.2.3.1.5 of ADR.  
 \_ **Maritime (IMDG):** Transport in accordance with 2.3.2.5 of IMDG code.  
 \_ **Air (ICAO):** Resin, solution flammable; N° UN: 1866; Class: 3; Risk label: flammable liquid; P.G.: III.

**15. REGULATORY INFORMATION**

CEE Label		
Symbols	Xn	Noxious
R Phrases	R-10	Flammable.
	R-20	Noxious by inhalation.
	R36/38	Irritates eyes and skin.
S Phrases	S-2	Keep away from children.
	S-16	Keep away from fire.
	S-23	Do not breath airs, smokes, vapours

**16. FURTHER INFORMATION**

This product must be stored, handled and used in compliance with current sanitary regulations and laws. The information contained herein is based on our present knowledge about this product and intends to describe our products and the precautions to be taken in order to use them safely. Therefore the specifications and descriptions hiven herein cannot be used to avoid a contract.

COSENTINO S.A. DO NOT ACCEPT ANY RESPÒNSABILITY CONCERNING ITS ASSESSMENT OF THE SAFETY AND HEALTH CONDITIONS UNDER WHICH THIS PRODUCT IS TRANSPORTED, STORED OR USE.



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