

## PolySil Tray Adhesive

### SECTION 1. IDENTIFICATION

**Product Identifier** PolySil Tray Adhesive  
**Recommended Use** Dental product  
**Supplier Identifier** SciCan Ltd, 1440 Don Mills Road, Toronto, ON, M3B 3P9, 1-800-667-7733  
**Emergency Phone No.** 1-800-535-5053  
**SDS Revision Date** November 23, 2023

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015)

#### GHS Label Elements

#### Classification of the substance or mixture:

Flam. Liq. 2, H225 Highly flammable liquid and vapour

Aquatic acute 1, H400 Very toxic to aquatic life

**Signal Word:** Danger

**Hazard Pictogram:**



### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture:** Solution of alkyl poly siloxane and red dye in alkyldisiloxane and xylene

#### Hazardous components:

CAS 107-46-0, EC 203-492-7	Alkyldisiloxane >65%	F, N, R11, R50, GHS02, GHS09, H225, H400
CAS 1330-20-7, EC 215-535-7	Xylene < 1%	Xi, Xn, R10-20/21-38, GHS02, GHS07, H226, H332, H312, H315

### SECTION 4. FIRST AID MEASURES

#### First-aid Measures

##### Inhalation

Fresh air.

##### Skin Contact

Wash with plenty of water and soap.

##### Eye Contact

Flush with cool water. Remove contact lenses, if applicable, and continue washing. Obtain medical attention if irritation develops or persists.

##### Ingestion

Seek medical advice.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Foam, CO<sub>2</sub>, powder, water spray.

Extinguishing media should be selected according to the surrounding fire.

**Unsuitable Extinguishing Media** None known.

#### Specific Hazards Arising from the Product

None known.

#### Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Do not breathe vapours/aerosols. Use it in well ventilated rooms.

### Environmental Precautions

Do not allow to enter drains/surface water / ground-water.

### Methods and Materials for Containment and Cleaning Up

Absorb with liquid binding material. Forward for disposal. Clean up affected area.

### Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

Observe normal care for working with chemicals.

**Information about fire and explosion protection:** Keep away from heat and ignition sources, do not smoke.

### Conditions for Safe Storage

**Requirements at storerooms and containers:** Store only in the original containers

### Further information on storage conditions:

Store in well ventilated place at 15 - 25 °C. Store away from food stuffs. Store tightly closed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

CAS-No.	Name	Art	Value	Unit
1330-20-7	Xylene (all isomers)	TRGS900	100	ml/m <sup>3</sup>
		or	440	mg/m <sup>3</sup>

**Additional information:** The lists valid during the making were used as basis.

**Appropriate Engineering Controls** No specific ventilation requirements.

### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs and beverages. Avoid contact with eyes or skin.

### Individual Protection Measures

#### Eye/Face Protection

Safety glasses.

#### Skin Protection

Protective gloves.

Due to missing tests no recommendation to the glove material can be given for the product.

#### Respiratory Protection

Provide adequate ventilation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Liquid, Red
Odour	Characteristic
Odour Threshold	Not available
pH	neutral
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	-6 °C                      DIN 51755
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable

<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	0.8 (20°C) g/cm <sup>3</sup>
<b>Partition Coefficient, n-Octanol/Water (Log K<sub>ow</sub>)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Viscosity</b>	Liquid
<b>Solubility in/miscibility with Water</b>	Ethanol, ketone insoluble

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

This product is stable.

### Possibility of Hazardous Reactions

None known.

### Thermal decomposition / conditions to be avoided

Heat

### Conditions to Avoid

Avoid strong acids, strong alkalis, strong oxidizing agents.

### Incompatible Materials

None known.

### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Small effects of toxicity

### Skin Corrosion/Irritation

Frequently or prolonged contact with skin may cause dermal irritation.

### Serious Eye Damage/Irritation

Slight irritating effect.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not classified under GHS criteria.

#### Skin Absorption

Not classified under GHS criteria.

#### Ingestion

Not classified under GHS criteria.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

Not classified under GHS criteria. **Respiratory and/or Skin**

**Sensitization** Not classified under GHS criteria.

### Carcinogenicity

Not classified under GHS criteria.

## **Reproductive Toxicity**

### **Development of Offspring**

Not classified under GHS criteria.

### **Sexual Function and Fertility**

Not classified under GHS criteria.

### **Effects on or via Lactation**

Not classified under GHS criteria.

## **Germ Cell Mutagenicity**

Not classified under GHS criteria.

## **Interactive Effects**

None known.

## **SECTION 12. ECOLOGICAL INFORMATION**

**General information:** Do not flush into surface water or sanitary sewer system.

Do not allow uncontrolled leakage of product into the environment.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Small quantities can be disposed of with household waste. Review federal, provincial, and local government requirements prior to disposal.

**Uncleaned packaging:** Handle contaminated packaging in the same way as the substance itself.

## **SECTION 14. TRANSPORT INFORMATION**

### **Land transport ADR/RID and GGVS/GGVE (Germany):**

UN 1993

ENTZUENDER FLUESSIGER STOFF, N.A.G., 3, II

### **Sea transport IMDG:**

UN 1993

FLAMMABLE LIQUID, N.O.S., 3, II

EmS: F-E S-E

### **Air transport ICAO-TI and IATA-DGR:**

UN 1993

FLAMMABLE LIQUID, N.O.S., 3, II

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

## **SECTION 15. REGULATORY INFORMATION**

### **Safety, Health and Environmental Regulations**

This product is not a regulated substance or mixture.

### **Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By**

**Phone No.**

**Date of Preparation** Nov 23, 2023

**Date of Last Revision** May 8, 2015

**Additional Information** The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.  
Reference: PolySil Tray Adhesive- EU&US SDS; Date of issue: 28.08.2014. Preparation by Dr. Jürgen Engelbrecht, Tel: 04121/483-0