

## 1. Identification

Product Identifier: **TinSil® 70-10 Silicone Rubber Part A**  
**TinSil® 70-11 Silicone Rubber Part A**  
**TinSil® Gel-10 Silicone Rubber Part A**

Product Code(s): 7010A, 7011A, TINGEL10A

Use: Component for silicone mold rubber. For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.  
 55 Hilton St., Easton, PA 18042

Phone Number: 610-559-8620 (8 a.m. to 6:30 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or +1 (703) 527-3887

E-mail: [sds@polytek.com](mailto:sds@polytek.com)

## 2. Hazards Identification

### GHS Classification:

Flammable Liquid – Category 4  
 Skin Irritation – Category 2  
 Skin Sensitization – Category 1  
 Germ Cell Mutagenicity – Category 2  
 Toxic to Reproduction – Category 1B  
 Hazardous to the Aquatic Environment – Chronic Hazard Category 2

Label Elements: Danger



### Hazard Phrases

H227 Combustible liquid.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H341 Suspected of causing genetic defects.  
 H360 May damage fertility or the unborn child.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing fumes, vapors, mists or sprays.  
 P264 Wash hands and contacted areas thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves, protective clothing, eye protection and face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P318 IF exposed or concerned, get medical advice.  
 P333+P317 If skin irritation or rash occurs: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P403 Store in a well-ventilated place.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

**Supplemental Information:** May cause an allergic skin reaction. This is one part of a two-part system. Read and understand the hazards of the Part B before use.

## 3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Tetraethyl orthosilicate	78-10-4	5-15
Dibutyltin dilaurate	77-58-7	0-10
Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below concentration/cut-off thresholds.		

## 4. First-Aid Measures

**Eye Contact:** Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get medical attention if irritation develops and persists.

**Skin Contact:** Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists.

**Inhalation:** If breathing is difficult, remove person to fresh air. Get medical attention if symptoms develop or persist.

**Ingestion:** If swallowed, rinse mouth. Drink water. Induce vomiting only with medical supervision. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects:** May damage fertility or the unborn child and suspected of causing genetic defects.

**Indication of Immediate Medical Attention/Special Treatment:** Not expected to be required.

## 5. Fire-Fighting Measures

**Extinguishing Media:** Carbon dioxide, dry chemical, foams, or water spray.

**Specific Hazards:** Combustible liquid.

**Special Protective Equipment and Precautions for Fire-Fighters:** Wear SCBA & full-body protective suit. Cool hot containers with water.

## 6. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Remove ignition sources. Clear non-emergency personnel from the area. Caution: spill area may be slippery. Avoid eye and skin contact.

**Methods and Materials for Containment and Cleanup:** Contain spill and prevent/minimize release to the environment. Collect and containerize material for disposal.

## 7. Handling and Storage

**Safe Handling:** Avoid contact with eyes, skin and clothing. Use in a ventilated area. Wash hands after handling.

**Safe Storage:** Store indoors at temperatures between 60 and 95°F. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

### Exposure Limits:

Tin, organic compounds	0.1 mg/m <sup>3</sup> OSHA PEL 0.1 mg/m <sup>3</sup> TWA ACGIH TLV 0.2 mg/m <sup>3</sup> STEL ACGIH TLV
Tetraethyl orthosilicate	850 mg/m <sup>3</sup> (100 ppm) OSHA PEL 85 mg/m <sup>3</sup> (10 ppm) TWA ACGIH TLV

**Engineering Controls:** Provide general exhaust.

**Personal Protective Equipment:** Wear eye protection (e.g., chemical safety glasses) and rubber (e.g., nitrile) gloves.

**Other Protective Measures:** An eyewash and washing facility should be available in the work area.

## 9. Physical and Chemical Properties

**Appearance:** Liquid, colors vary  
**Odor:** Mild  
**Odor Threshold:** No data available  
**pH:** Not applicable  
**Melting Point:** No data available  
**Boiling Point:** No data available  
**Flash Point:** >150°F (66°C) (estimated)  
**Evaporation Rate:** No data available  
**Flammable Limits:** No data available  
**Vapor Pressure:** No data available  
**Vapor Density:** No data available  
**Relative Density:** 1.0 @ 25°C  
**Solubility:** Insoluble in water  
**Partition Coefficient: n-octanol/Water:** No data available  
**Auto-Ignition Temp:** No data available  
**Decomposition Temp:** No data available  
**Viscosity:** 50-100 cP @ 25°C

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.  
**Chemical Stability:** Stable under recommended conditions.  
**Possibility of Hazardous Reactions:** None known.  
**Conditions to Avoid:** Avoid heat, hot surfaces, sparks, open flames, and other ignition sources.  
**Incompatible Materials:** Possibly strong oxidizers.  
**Hazardous Decomposition Products:** Thermal decomposition will generate formaldehyde and oxides of carbon and silicon.

## 11. Toxicological Information

**Eye Contact:** May cause mild eye irritation.  
**Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.  
**Inhalation:** Vapors or mists may cause mild respiratory irritation.  
**Ingestion:** No data available.  
**Chronic Health Effects:** May cause an allergic skin reaction.  
**Acute Toxicity Values:** Not acutely hazardous.  
**Germ Cell Mutagenicity:** Components are classified as mutagens.  
**Carcinogenicity:** Components are not classified as carcinogens.  
**Reproductive Toxicity:** Components are classified as reproductive toxins.  
**Specific Target Organ Toxicity:** No data available.

## 12. Ecological Information

**Ecotoxicity:** Toxic to aquatic life with long lasting effects. Avoid release to the environment.  
**Persistence and Degradability:** Dibutyltin dilaurate is not readily biodegradable.  
**Bioaccumulative Potential:** No data available.  
**Mobility in Soil:** No data available.

## 13. Disposal Considerations

Dispose according to local, regional and national regulations.  
**For U.S.:** Upon disposal, these products are not RCRA hazardous waste (per 40 CFR 261).

## 14. Transport Information

**DOT.:** Not regulated for transport by truck.  
**IATA/IMDG:** UN3082, Environmentally hazardous substance, liquid, n.o.s. (dibutyltin dilaurate), 9, III, MARINE POLLUTANT.  
Excepted from IATA and IMDG if shipped in quantities of 5L (1.32gal) or less. (See IATA SP A197 and IMDG 2.10.2.7).  
**Emergency Shipping Information:** Call CHEMTREC, 800-424-9300 or +1-703-527-3887

## 15. Regulatory Information

### U.S. FEDERAL REGULATIONS:

**CERCLA 103 Reportable Quantity:** Not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

### SARA TITLE III:

**Hazard Category for Section 311/312:** Acute/Chronic  
**Section 313 Toxic Chemicals:** Does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.  
**Section 302 Extremely Hazardous Substances (TPQ):** None  
**EPA Toxic Substances Control Act (TSCA) Status:** All components are listed on TSCA.

### STATE REGULATIONS:

**California Proposition 65:** These products do not contain substances known to the State of California to cause cancer and/or reproductive harm. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. Other Information

**Training Advice:** All personnel using/handling these products should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

**Recommended Uses and Restrictions:** For industrial or professional use only.

**SDS Revision Notes:** New GHS SDS; Feb. 10, 2015. Replaces Feb. 3, 2011 version; Reviewed and updated: march 15, 2022.

**Disclaimer:** The information contained herein is considered accurate; however, Polytek® Development Corp. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.