1. Identification

Product Identifier:	**TinSil® 80-Series Silicone Rubber Part A**
Product Code(s):	8030A
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 (9 a.m. to 5 p.m. EST)
Emergency Phone:	CHEMTREC 800-424-9300 or +1 (703) 527-3887
E-mail:	sds@polytek.com

2. Hazards Identification

GHS Classification:

Toxic to Reproduction Category 2
Specific Target Organ Toxicity – Repeated Exposure Category 2
Flammable Liquid Category 4

Label Elements: Warning

Hazard Phrases

H227 Combustible Liquid.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (bladder) through prolonged or repeated exposure (oral).

Precautionary Phrases

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from flames and hot surfaces, – No smoking.
P260 Do not breathe vapors.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.
P308+313 If exposed or concerned: Get medical advice/attention.
P403+235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: May cause eye and skin irritation.

3. Composition/Information on Ingredients

Chemical Name	CAS #	GHS Classification	%
Organosilane	Withheld	Flam Liq 4 Acute Tox-Oral 4 STOT-RE 2	1-20
Organic tin compound	Withheld	Acute Tox-Oral 4 Repro Tox 2 STOT-RE 1	1-5
Specific chemical identities and exact concentrations are withheld as trade secret. Other ingredients are not classified as health and/or environmental hazards, and/or are present below cut-off/concentration limits.			

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. 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. If experiencing difficulty breathing, call a doctor.
Ingestion: If swallowed, rinse mouth. Drink water. Induce vomiting only with medical supervision.
Most Important Symptoms/Effects: Possible reproductive and/or organ damage.
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: Not classified as flammable. May generate formaldehyde in fire conditions.
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 (especially mucous membranes) 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: Only applicable limit is for:

Tin, organic compounds	0.1 mg/m^3 OSHA PEL
	0.1 mg/m^3 TWA ACGIH TLV
	0.2 mg/m^3 STEL ACGIH TLV

Based on the low concentration and low vapor pressure tin compound, it is judged to be unlikely that this limit could be reached.
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: Orange liquid
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) (Pensky-Martens closed-cup)
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: <500 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: Excessive heat.
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 eye irritation.
Skin Contact: May cause skin irritation, especially to mucous membranes.
Inhalation: Vapors or mists may cause mild respiratory irritation.
Ingestion: No data available.
Chronic Health Effects: Possible reproductive and bladder effects.
Acute Toxicity Values: Calculated LD 50 Oral for mixture 3626 mg/kg. For tin component: Oral rat LD50: 895 mg/kg. For silane component: Oral rat LD50 1049 mg/kg. For silicone fluid component (not hazardous): Oral rat LD50 15,400 mg/kg.
Germ Cell Mutagenicity: Components are not known mutagens.
Carcinogenicity: Relevant components are not listed as known or suspected carcinogens by NTP, IARC or OSHA.
Reproductive Toxicity: Tin component is classified as Toxic to Reproduction Category 2.
Specific Target Organ Toxicity: Tin and silane components are classified as specific target organs after prolonged or repeated exposure. Silane component may cause harmful effects on the bladder after prolonged or repeated exposure by ingestion.

12. Ecological Information

Ecotoxicity: Not expected to be dangerous to aquatic organisms.
Persistence and Degradability: No data available.
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

Not regulated for transport in any mode.

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: 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: This product does not contain substances known to the State of California to cause cancer and/or reproductive harm.

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: Intended for industrial or professional use only.

SDS Revision Notes: Revised Sections 2 and 9 based on new flashpoint data. Revised Jan. 28, 2015. Replaces Jan. 8, 2015 version.

Disclaimer: The information contained herein is considered accurate; however, Polytek® 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.