

## Section 1. Identification of the Preparation and Company

Trade Name: **TinSil® 70-10 Silicone RTV Rubber Part B**  
Product Code: 70-10B  
Use of Preparation: Part B of two-part liquid silicone rubber system  
Chemical Class: Silicone  
Company: Polytek Development Corp.  
55 Hilton St. Easton, PA 18042 USA  
Telephone: 610-559-8620  
[SDS@polytek.com](mailto:SDS@polytek.com)  
EU Only Representative: Stewardship Solutions  
Green Lowe Farm, Shawclough Rd  
Waterfoot, Rossendale, Lancs. BB4 9SA, UK  
Telephone: (+44) 01706 220901  
Emergency Telephone: (001) 610-559-8620 (9 am to 5 pm EST)

## Section 2. Hazards Identification

Not a hazardous preparation according to EC Directive 1999/45/EC.  
May cause slight eye irritation.

## Section 3. Composition/Information on Ingredients

Chemical Name	CAS Number	% of Product	Hazard Classification
Polydimethylsiloxane	63148-62-9	50-75	None
Amorphous Silica (hazards do not apply since it is inextricably bound in formulation)			

## Section 4. First-Aid Measures

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if symptoms persist.  
SKIN CONTACT: Wipe off. Remove contaminated clothing and/or shoes. Wash with soap and warm water.  
INHALATION: Remove to fresh air. Seek medical attention if symptoms develop.  
INGESTION: Seek medical attention. Do not induce vomiting unless so directed by a medical professional.

## Section 5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or water fog or fine spray.  
SPECIFIC HAZARDS: May produce toxic fumes and gases including carbon monoxide.  
OTHER INFORMATION: Firefighters wear full-face positive pressure breathing apparatus and full chemical protective suit. Violent steam generation or eruption may occur upon application of water stream to hot product.

## Section 6. Accidental Release Measures

Contain spill to minimize contamination. Absorb spilled material with an absorbent such as sand or earth. Collect and containerize material. Use caution in spill area since causes smooth surfaces to be slippery. Dispose of contaminated materials in accordance with applicable regulations.

## Section 7. Handling and Storage

HANDLING: Avoid contact with eyes and skin. Do not eat, drink or smoke in work area. Wash hands after handling. Do not heat above 150°C since can form formaldehyde.  
STORAGE: Store at room temperature in a dry, well-ventilated area. Do not store above 40°C. Store in tightly closed container.

## Section 8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust.  
MAXIMUM AIRBORNE EXPOSURE LIMITS:  
None established for constituents in formulation for which exposure is feasible.  
PERSONAL PROTECTIVE EQUIPMENT  
RESPIRATORY PROTECTION: Not needed during normal use.  
HAND & SKIN: Not normally needed.  
EYES: Wear chemical safety glasses or goggles.

## Section 9. Physical & Chemical Properties

APPEARANCE: White opaque liquid  
ODOUR: Mild odour  
pH: Not applicable  
BOILING POINT: >200°C (estimated)  
FLASH POINT: >200°C (estimated)  
AUTOFLAMMABILITY: No data available  
EXPLOSIVE PROPERTIES: Not explosive  
OXIDISING PROPERTIES: Not an oxidizer  
VAPOUR PRESSURE: <0.1 mm Hg @ 20°C  
RELATIVE VAPOUR DENSITY (Air=1): Not determined  
SPECIFIC GRAVITY: 1.1 to 1.5 @ 25°C  
SOLUBILITY IN WATER: Insoluble in water

## Section 10. Stability and Reactivity

CHEMICAL STABILITY: Stable under recommended storage conditions.  
CONDITIONS TO AVOID: Temperatures >150°C.  
INCOMPATIBILITIES: None known

## Section 11. Toxicological Information

LD50/LC50:  
Draize test, rabbit, eye: 100 uL/24H Mild;  
Draize test, rabbit, eye: 100 mg/1H Mild;  
Draize test, rabbit, eye: 100 uL/24H Moderate;  
Draize test, rabbit, skin: 500 uL/24H Mild;  
Oral, rat: LD50 = >24 gm/kg;  
Oral, rat: LD50 = >17 gm/kg;  
Skin, rabbit: LD50 = >2 gm/kg;  
SKIN: Prolonged skin contact may cause slight skin irritation.  
EYES: May cause eye irritation.

INHALATION: At room temperature, vapors are minimal due to low volatility.

INGESTION: Low hazard.

CHRONIC EFFECTS: None known.

CARCINOGENICITY: Not expected to be carcinogenic.

DEVELOPMENTAL TOXICITY: Not expected to cause developmental toxicity.

## Section 12. Ecological Information

No formal data is available.

## Section 13. Disposal Considerations

Dispose according to local and national regulations and Directive 2008/98/EC.

## Section 14. Transport Information

NOT A HAZARDOUS MATERIAL FOR SHIPPING PURPOSES BASED ON *UNITED NATIONS RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS*.

UN NUMBER: Not applicable;

SHIPPING NAME: Not applicable

## Section 15. Regulatory Information

HAZARD SYMBOL: None

REACH: Substances in this formulation for which export is >1 tonne/yr to EU were pre-registered with ECHA prior to Dec. 1, 2008

## Section 16. Other Information

RISK PHRASES:

None

SAFETY PHRASES:

S24/25 – Avoid contact with the skin and eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 -After contact with skin, wash immediately with water or industrial hand cleaner

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

OTHER PHRASES:

Keep containers tightly closed when not in use

TRAINING ADVICE: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of control measures including protective equipment.

RECOMMENDED USES AND RESTRICTIONS: This product is intended for industrial use only. Further details of intended applications and guidance relating to technical aspects of use are contained in the relevant Technical Bulletin/Advice sheet.

REFERENCES:

Manufacturers' SDSs and Technical Bulletins

**REVISION INDICATOR:** First EU SDS for 70-10B. EU Version 1.1

**DISCLAIMER:** The information contained herein has been compiled from data that is, to the best of our knowledge, valid at the date of issue. However, as the conditions under which the product is used are not under our control, the user is responsible to ensure that a risk assessment is undertaken in accordance with current legislation and that all necessary precautions are employed.