

## 1. Identification

Product Identifier: **PolyFil ND**  
 Product Code(s): Lightweight Filler  
 Use: Component for Polyurethane Mold Rubber.  
 For Industrial/Professional use only.  
 Manufacturer: Polytek Development Corp.  
 55 Hilton St., Easton, PA 18042 USA  
 Phone Number: +1 610-559-8620 (9 a.m. to 5 p.m. EST)  
 Emergency Phone: CHEMTREC 800-424-9300 or  
 +1 703-527-3887  
 E-mail: [sds@polytek.com](mailto:sds@polytek.com)

## 2. Hazards Identification

**GHS Classification:** Carcinogen Category 1

**Label Elements:** Danger



Contains crystalline silica (<1%).

### Hazard Phrases

H350 May cause cancer by inhalation.

### Precautionary Phrases

P202 Do not handle until all safety precautions have been read and understood.  
 P280 Wear protective gloves, eye protection and respiratory protection (dust mask).  
 P308 + P313 IF exposed or concerned: Get medical advice.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local and national regulations.

**Supplemental Information:** Avoid breathing dust. Wear a dust mask. May cause eye and skin irritation.

## 3. Composition/Information on Ingredients

Chemical Name	CAS #	GHS Classification	%
Silica, crystalline	14808-60-7	Carcinogen Category 1	<1
Other ingredients are not classified as health, physical or environmental hazards, 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 safe and easy to do. Do not rub eyes. Get medical attention if irritation persists.

**Skin Contact:** Wash contact area thoroughly with soap and water.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms persist.

**Ingestion:** Drink plenty of water.

**Most Important Symptoms/Effects:** Long-term exposure may cause cancer by inhalation.

**Indication of Immediate Medical Attention/Special Treatment:** None.

## 5. Fire-Fighting Measures

**Extinguishing Media:** Use extinguishing media suitable for surrounding fire.

**Specific Hazards:** Not classified as flammable.

**Special Protective Equipment & Precautions for Fire-Fighters:** Wear positive pressure, self-contained breathing apparatus and full-body protective clothing.

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency

**Procedures:** Avoid dust generation. Wear respiratory protection, eye protection and gloves.

**Methods and Materials for Containment and Cleanup:** Carefully sweep material and collect into an appropriate container for disposal.

## 7. Handling and Storage

**Safe Handling:** Use with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep container closed when not in use.

**Safe Storage:** Store indoors in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

### Occupational Exposure Limits:

Silica, crystalline OSHA PEL TWA: 30 mg/m<sup>3</sup>/(%SiO<sub>2</sub>+2), total dust; 10 mg/m<sup>3</sup>/(%SiO<sub>2</sub>+2) respirable dust  
 ACGIH TLV TWA: 0.025 mg/m<sup>3</sup>, respirable

**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure levels.

**Respiratory Protection:** If needed, use a NIOSH-approved dust mask or respirator with HEPA filter cartridges. Observe respirator use limitations specified by manufacturer and OSHA respiratory protection standard (29 CFR 1910.134).

**Skin Protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.

**Eye Protection:** Wear safety glasses/goggles.

**Other Protective Measures:** Minimize skin contact. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and Chemical Properties

**Appearance:** White powder

**Odor:** Odorless

**Odor Threshold:** No data available

**pH:** Not applicable

**Melting Point:** No data available

**Boiling Point:** No data available

**Flash Point:** Not applicable

**Evap. Rate:** Not applicable

**Upper/Lower Flammability Limits:** No data available

**Vapor Pressure:** Not applicable

**Vapor Density:** Not applicable

**Relative Density:** Varies

**Solubility:** Slightly soluble in water

**Partition Coefficient: n-octanol/Water:** No data available

**Auto-Ignition Temp:** No data available

**Decomposition Temp:** No data available

**Viscosity:** Not applicable.

## 10. Stability and Reactivity

**Reactivity:** Hazardous polymerization cannot occur.

**Chemical Stability:** Stable under recommended conditions.

**Possibility of Hazardous Reactions:** Reacts with acids to form carbon dioxide.

**Conditions to Avoid:** Avoid excessive heat and moisture.

**Incompatible Materials:** Strong acids.

**Hazardous Decomposition Products:** Thermal decomposition could generate oxides of carbon and nitrogen, and hydrogen chloride.

## 11. Toxicological Information

**Eye Contact:** May cause mild eye irritation.  
**Skin Contact:** May cause mild skin irritation.  
**Inhalation:** Dust may cause mild respiratory irritation.  
**Ingestion:** Not a likely route of exposure.  
**Chronic Health Effects:** Crystalline silica exposure may cause cancer.  
**Acute Toxicity Values:** Oral LD<sub>50</sub> >5000 mg/kg  
**Skin Corrosion/Irritation:** Not classified as skin irritant.  
**Eye Damage/Irritation:** Not classified as eye irritant.  
**Respiratory Irritation:** Not classified as respiratory irritant.  
**Respiratory Sensitization:** Not a respiratory sensitizer.  
**Skin Sensitization:** Not a skin sensitizer.  
**Germ Cell Mutagenicity:** Not classified as a mutagen.  
**Carcinogenicity:** Crystalline silica is classified as a carcinogen by IARC (Group 1) and NTP.  
**Reproductive Toxicity:** Not classified as a reproductive toxin.  
**Specific Target Organ Toxicity:** Single Exposure: No data available.  
Repeat Exposure: No data available.

## 12. Ecological Information

**Ecotoxicity:** Not expected to be toxic to aquatic organisms.  
**Persistence and Degradability:** Not readily biodegradable.  
**Bioaccumulative Potential:** Not expected to bioaccumulate.  
**Mobility in Soil:** No data available.

## 13. Disposal Considerations

Dispose according to local, state and federal regulations. For U.S.: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261).

## 14. Transport Information

**U.S.:** Not regulated as a hazardous material by US DOT.  
**International shipments:** Not classified as dangerous under IMDG, IATA or ADR.  
**Emergency Shipping Information:** Call CHEMTREC, 800-424-9300 or +1-703-527-3887

## 15. Regulatory Information

**U.S. FEDERAL REGULATIONS:**  
**CERCLA 103 Reportable Quantity:**  
**SARA TITLE III**  
**Section 311/312:** Chronic Health  
**Section 313 Toxic Chemicals:** Contains no 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 in this product are listed on TSCA.  
**STATE REGULATIONS:**  
**California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause cancer. (crystalline silica)

## 16. Other Information

**Training Advice:** All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.  
**Recommended Uses and Restrictions:** This product is intended for industrial/professional use only.  
**SDS Revision Notes:** Updated product code September 26, 2016  
Supersedes MSDS dated Aug. 10, 2015  
**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.