

Development Corp.

**1. Chemical Product and Company Identification**

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620

Product Name: **POLY PURGE™**

Chemical Family: Tetrafluoroethane

**2. Hazardous Constituents**

<u>Ingredient/CAS #</u>	<u>Exposure Limits</u>
Tetrafluoroethane, 811-97-2	None established

**3. Health Hazards**

PRIMARY ROUTE(S) OF ENTRY: Skin contact, eye contact and inhalation

EYE: May cause eye irritation.

SKIN: Exposure may cause freezing or irritation and/or redness.

INGESTION: Not an expected route of exposure.

INHALATION: Inhalation of concentrations exceeding 1000 ppm may cause temporary central nervous system depression with anesthetic effects such as dizziness, headache, loss of coordination, and loss of consciousness; or temporary alteration of the heart's electrical activity (cardiac arrhythmia). Gross overexposure can be fatal.

CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.

CHRONIC EFFECTS: None known.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Individuals with preexisting diseases of the central nervous or cardiovascular systems may have increased susceptibility to the toxicity of excessive exposures.

**4. First Aid Measures**

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash with soap and warm water. Treat for frostbite if necessary.

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Seek medical attention if symptoms persist.

INGESTION: Not an expected route of exposure.

NOTE TO PHYSICIAN: Because of disturbances of cardiac rhythm, catcholamine drugs, such as epinephrine, should only be used in situations of emergency life support.

**5. Fire Fighting Measures**

FLASHPOINT: Non-flammable aerosol

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or foam. Water may be used to cool fire-exposed containers.

HAZARDOUS COMBUSTION PRODUCTS: Possibly hydrofluoric acid, carbonyl fluoride, and unidentified toxic and irritating compounds.

OTHER INFORMATION: Containers may rupture under fire conditions. Firefighters wear full protective gear and SCBA.

**6. Accidental Release Measures**

Avoid breathing vapors. Evacuate area until vapors have dispersed. Remove sources of ignition.

**7. Handling and Storage**

HANDLING: Avoid breathing vapors and avoid contact with eyes and skin. Use in adequately ventilated area. Do not eat, drink or smoke in work area. Wash hands after handling.

STORAGE: Store indoors. Do not exceed 120°F. Contents under pressure. Do not puncture or incinerate.

**8. Exposure Controls/Personal Protection**

ENGINEERING CONTROLS: General and/or local exhaust to minimize airborne concentrations.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses are recommended.

RESPIRATORY PROTECTION: None required in well-ventilated areas.

**9. Physical Characteristics**

APPEARANCE: Colorless gas

ODOR: Slight ethereal

BOILING POINT: -15 °F

SOL. IN WATER: Insoluble

VAPOR PRESSURE: 81 psig @ 77 °F

SPECIFIC GRAVITY: 1.2 @ 77°F

**10. Stability and Reactivity**

CONDITIONS TO AVOID: Avoid open flames and high temperatures.

INCOMPATIBILITY WITH OTHER MATERIALS: Alkali or alkaline earth metals (powdered Zn, Be, etc.)

HAZARDOUS DECOMPOSITION PRODUCTS: Possibly hydrofluoric acid, carbonyl fluoride, and unidentified toxic and irritating compounds.

**11. Regulatory and Other Information**COMMUNITY RIGHT-TO-KNOW: This product does not contain any compounds above the *de minimis* reporting levels subject to SARA Section 313 reporting requirements.

DISPOSAL: Upon disposal, the pressurized aerosol can may be hazardous waste under 40 CFR 261. Dispose of in accordance with state and local regulations.

TRANSPORT: By ground: ORM-D consumer commodity. By air: Aerosol, nonflammable, n.o.s., 2.2, UN 1950.

EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.

REVISION INDICATOR: Minor changes in Sections 5 &amp; 11.

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.