

1. Identification

Product Identifier: **PolyPurge**
 Product Code(s): PURGE
 Use: Aerosol dry gas. 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:

Gases Under Pressure – Liquefied gas
 Simple Asphyxiant

Label Elements: Warning



Hazard Phrases

Contains gas under pressure; may explode if heated.
 May displace oxygen and cause rapid suffocation.

Precautionary Phrases

Keep away from heat, sparks, open flames and hot surfaces.
 Protect from sunlight. Store in a well-ventilated place.

Supplemental Information: Avoid breathing aerosol spray. Use in a well-ventilated area. Avoid spraying directly on skin – may cause frostbite. Wear safety glasses.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Halogenated hydrocarbon	811-97-2	80-100

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes. Remove contact lenses if safe and easy to do so, and continue rinsing. Get medical attention if irritation persists.

Skin Contact: Wash contact area thoroughly with soap and water. Treat frostbite if needed. Get medical attention if irritation persists.

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

Ingestion: Do not induce vomiting. Seek medical attention if symptoms develop.

Most Important Symptoms/Effects: Skin contact may cause skin drying and/or freezing. Breathing large amounts is harmful and may cause temporary central nervous system depression with anesthetic effects such as dizziness, headache, and loss of coordination and/or consciousness. Exposures to high concentrations can cause irregular heartbeat, cardiac arrest and death. Exposure to very high concentrations can cause asphyxiation.

Indication of Immediate Medical Attention/Special Treatment: Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should only be used in emergency life support situations.

5. Fire-Fighting Measures

Extinguishing Media: Use water, foam, dry chemical or carbon dioxide. Use water spray to cool containers.

Specific Hazards: Keep away from heat, sparks and flames. Vapors are heavier than air and may travel long distances to ignition source. Containers may rupture or explode under fire conditions.

Combustion Products: Carbon monoxide, carbon dioxide, hydrofluoric acid, carbonyl fluoride, formaldehyde and other unidentified compounds.

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: Remove ignition sources. Avoid eye and skin contact and avoid breathing aerosol.

Methods and Materials for Containment and Cleanup: Stop discharge if it can be done safely.

7. Handling and Storage

Safe Handling: Keep away from heat, sparks, and open flames. Avoid breathing aerosol. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wear safety glasses. Wash thoroughly after handling. Do not eat, drink or smoke in the work area.

Safe Storage: Store in a cool, dry area in a well-ventilated area away from ignition sources.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: Manufacturer recommends exposure limit of 1000 ppm (TWA).

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Respiratory Protection: If needed, wear a dust mask or a NIOSH-approved respirator.

Skin Protection: Wear gloves to protect from freezing.

Eye Protection: Wear safety glasses or goggles.

Other Protective Measures: 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: Clear, colorless aerosol

Odor: Slight ethereal

Odor Threshold: No data available

pH: Not applicable

Melting Point: No data available

Boiling Point: No data available

Flash Point: Not applicable (aerosol)

Evap. Rate: 0.5-2 (n-butyl acetate = 1)

Flammability Limits: No data available

Vapor Pressure: 80 psig @ 20°C

Vapor Density: 3.6 (air = 1)

Relative Density: 1.2 @ 25°C

Solubility: Negligible in water (0-1%)

Partition Coefficient: 1.06

Auto-Ignition Temp: >1382°F

Decomposition Temp: >482°F

Viscosity: Not applicable (aerosol)

%VOC: <0.0001

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Reaction with peroxides may result in explosion.

Conditions to Avoid: Avoid excessive heat, sparks, flames and ignition sources. Avoid contact with alkalis, alkaline earth metals, powdered metals, oxidizers and organic acids.

Incompatible Materials: Alkalis, alkaline earth metals, powdered metals, oxidizers and organic acids.

Hazardous Decomposition Products: Hydrofluoric acid, carbonyl fluoride, carbon monoxide and carbon dioxide.

11. Toxicological Information

Eye Contact: May cause eye irritation and/or tissue damage.

Skin Contact: May cause skin irritation or freezing.

Inhalation: May cause mild respiratory irritation and/or asphyxiation.

Ingestion: Not known.

Chronic Health Effects: No data available.

Acute Toxicity Values: Acute Toxicity Values:

Halogenated hydrocarbon: Rat 4-hr LC₅₀ >500,000 ppm

Germ Cell Mutagenicity: Components are not mutagens.

Carcinogenicity: This product is not known to contain constituents at concentrations exceeding 0.1% that are listed as carcinogens by IARC, NTP, or OSHA.

Reproductive Toxicity: Components are not reproductive toxins.

Specific Target Organ Toxicity: Single Exposure or Repeat Exposure: Not classified as STOT.

12. Ecological Information

Ecotoxicity: Not classified as harmful 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, state and federal regulations. In US, upon disposal, may be RCRA hazardous waste (D003).

14. Transport Information

UN Number: UN1950

UN Proper Shipping Name: Aerosol

Transport Hazard Class: 2.2

Packing Group: Not applicable

Environmental Hazards: Not applicable

Transport in Bulk: Not applicable

Special Precautions: None known

Emergency Shipping Info: CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Not applicable.

SARA TITLE III

Section 311/312: Not applicable

Section 313 Toxic Chemicals: This product 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: Components of this product are listed on the TSCA inventory.

STATE REGULATIONS:

California Proposition 65: To the best of our knowledge, this product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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: Minor revisions in Sections 5, 9 and 16. Issued Aug. 3, 2015.

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.