

1. Chemical Product and Company Identification

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610-559-8620
Product Name: **POL-EASE® 2300 RELEASE AGENT**
Chemical Family: Halogenated hydrocarbon and ether propellant

2. Hazardous Constituents

Substance	CAS No	Content %	Exposure Limits
1,1-Difluoroethane	75-37-6	30-55	None established
Dimethylether	115-10-6	30-55	None established
Oranofunctional silicone	NA	1-10	None established

3. Health Hazards

FIRE HAZARD: Extremely Flammable!
PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin or eye contact
EYE: May cause eye irritation.
SKIN: May cause skin irritation and/or redness or freezing.
INGESTION: Not considered a likely route of exposure.
INHALATION: 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.
CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.
CHRONIC SYMPTOMS: No chronic health effects known.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with preexisting diseases of the central nervous or cardiovascular system 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: Wipe off. Wash with soap and warm water. Treat frostbite if needed. Seek medical attention if irritation develops.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist.
INGESTION: Do not induce vomiting. Seek medical attention. Aspiration into lungs can cause serious damage. Seek medical attention immediately.
NOTE TO PHYSICIAN: 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

FIRE HAZARDS: Extremely flammable liquefied gas. 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.
FLASHPOINT: Not applicable. Non-flammable aerosol (by flame projection test ASTM D3095-94).
EXTINGUISHING MEDIA: CO₂ or dry chemical foam. Use water spray to cool containers.
HAZARDOUS COMBUSTION PRODUCTS: See Section 10.
OTHER INFORMATION: Firefighters wear protective gear and self-contained breathing apparatus.

6. Accidental Release Measures

Clear personnel from the area. Ventilate area. Extinguish sources of ignition. Stop or reduce discharge if it can be done safely.

7. Handling and Storage

HANDLING: Use in adequately ventilated area. Do not use near ignition sources. Avoid breathing vapor and aerosols. Avoid skin and eye contact. Do not eat, drink or smoke in work area. Wash hands after handling. See also Section 8 of MSDS.
STORAGE: Store at room temperature in a well-ventilated area away from ignition sources. Do not store above 120°F.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne concentrations.
PERSONAL PROTECTIVE EQUIPMENT: Wear safety glasses or goggles. Do not wear contact lenses. Wear chemically resistant gloves.
RESPIRATORY PROTECTION: None required in a well-ventilated area; however, wearing a dust mask minimizes potential for breathing aerosol. In the absence of good ventilation, use a supplied air respirator.

9. Physical Characteristics

APPEARANCE: Clear liquid in aerosol can
ODOR: Slight ethereal
BOILING POINT: No data
pH: Not applicable
SPECIFIC GRAVITY: 0.8 @ 70°F
VAPOR PRESSURE: 4241.0 mm Hg @ 70°F
VAPOR DENSITY: 2.0 (Air=1)
SOLUBILITY IN WATER: Negligible
EVAPORATION RATE: 0.1-0.5 (n-butyl acetate=1)
VOC Content: 40-50%

10. Stability and Reactivity

CHEMICAL STABILITY: Stable under recommended storage conditions.
CONDITIONS TO AVOID: Temperatures >120°F.
MATERIALS TO AVOID: Avoid contact with alkali, alkaline earth metals, freshly abraded aluminum, powdered metals, strong oxidizing agents, and strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, hydrofluoric acid, carbonyl fluoride, formaldehyde, silicone oxides, and other unidentified 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, this product may be RCRA hazardous waste (D003) as defined in 40 CFR 261. Dispose of in accordance with state and local regulations.
TRANSPORT: For domestic ground, ORM-D, Consumer Commodity. For air or international, UN1950, Aerosol, non-flammable, 2.2
HMIS RATINGS: Health=2; Flammability=3; Reactivity=1; PPE=See Section 8
EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.
REVISION INDICATOR: Reviewed; no changes.
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.