

1. Chemical Product and Company Identification

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

Product Name: **POL-EASE 2500 MOLD RELEASE**

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
Trade secret ingredients	NJTSR 80100382-5126P	NA	None established

3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin or eye contact

EYE: Causes eye irritation.

SKIN: Causes irritation and dryness and defatting of skin.

INGESTION: Ingestion is not considered a potential route of exposure.

INHALATION: Overexposure by inhalation of vapors may cause respiratory irritation or nonspecific discomfort such as nausea, headache or weakness. Inhalation of concentrations above the recommended limits may cause temporary central nervous system depression with anesthetic effects such as dizziness, headache, and loss of coordination and consciousness; or temporary alteration of the heart's electrical activity (cardiac arrhythmia). Gross overexposure may be fatal.
CHRONIC EFFECTS: Not known.

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: 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 plenty of water. If irritation persists, seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and warm water.

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

INGESTION: Seek medical attention. Do not induce vomiting unless so directed by a physician

5. Fire Fighting Measures

FLASH POINT: Not applicable (aerosol).

FIRE HAZARDS: Extremely flammable gas. Do not use near ignition source, spark, or open flame. Vapors confined in a poorly ventilated area may be ignited by a spark or flame. Vapor may travel long distances to ignition source. Vapors are heavier than air and accumulate in low areas. Containers may rupture or explode under fire conditions. Materials can accumulate static, which can cause a spark.

EXTINGUISHING MEDIA: CO₂, dry chemical, or foam; use water to keep containers cool.

HAZARDOUS COMBUSTION PRODUCTS: Hydrocarbons, carbon oxides, halogens, halogen acids, and carbonyl halides.

OTHER INFORMATION: Non-flammable aerosol as determined by ASTM D3095-94.

6. Accidental Release Measures

Evacuate area until vapor has dispersed. Extinguish sources of ignition. Stop or reduce discharge if it can be done safely. Absorb liquid and transfer to container for disposal.

7. Handling and Storage

HANDLING: Avoid breathing vapor and avoid prolonged and repeated contact with skin. Use in well-ventilated area. If area is not adequately ventilated, use respiratory protective equipment.

STORAGE: Store in a cool (<110°F), dry, well-ventilated area. Keep away from ignition sources.

DISPOSAL: Dispose according to federal, state and local regulations. "Empty" containers may contain residual product.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne concentrations below exposure limits.

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: Slightly ethereal odor

SOLUBILITY IN WATER: Negligible

VAPOR DENSITY: 1.94 (air = 1)

VAPOR PRESSURE: 4551 mm Hg @ 70°

EVAP. RATE: 0.02-0.1 (butyl acetate =1)

SPECIFIC GRAVITY: 0.69 @ 70°F

BOILING POINT: -13°F

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

HMS RATINGS: Health=1; Flammability=4; Reactivity=1; PPE=See Section 8

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

MSDS REVISION INDICATOR: Revised owing to formulation 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.