

1. Chemical Product and Company Identification

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

Product Name: **POL-EASE 2300 MOULD RELEASE**

Chemical Family: Halogenated hydrocarbon/ether blend.

2. Hazardous Constituents

Ingredient/CAS #

Halogenated hydrocarbon/ether blend

NJTSR #80 1003 82-5008P

Exposure Limits

1000 ppm (Dupont action level)

None established

3. Health Hazards

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

EYE: May cause eye irritation.

SKIN: May cause freezing or irritation.

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

INHALATION: Overexposure by inhalation of vapours 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. In animal studies, inhalation of respirable aerosols caused serious toxic effects in the lungs.

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). Non-flammable aerosol as determined by ASTM D 3065-01 and FSHA sec. 1500.45 (flame projection test).

FIRE HAZARDS: Do not use near ignition source, spark, or open flame vapours confined in a poorly ventilated area may be ignited by a spark or flame. Vapour may travel long distances to ignition source. Vapours 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: See Section 10.

OTHER INFORMATION: Firefighters wear SC13A and full-body protective suit.

6. Accidental Release Measures

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Evacuate area until vapour has dispersed. Extinguish sources of ignition. Stop or reduce discharge if it can be done safely.

7. Handling and Storage

HANDLING: Avoid breathing vapour 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:** Use of safety glasses and chemically resistant gloves is recommended.

RESPIRATORY PROTECTION: Use of an approved dust, fume and mist respirator is recommended. If ventilation is not sufficient to maintain exposure limits use air-supplied respirator.

9. Physical Characteristics

APPEARANCE: Clear liquid in aerosol can

ODOUR: Slightly ethereal odour

SOLUBILITY IN WATER: Insoluble vapour

DENSITY: > 1 (air = 1)

VAPOUR PRESSURE: 60 psig @ 70°F

EVAP. RATE: > 1 (butyl acetate = 1) **SPECIFIC GRAVITY:** 0.86 @ 70°F

BOILING POINT: Not applicable

10. Stability and Reactivity

CONDITIONS TO AVOID: Ignition sources, open flames, and temperatures > 110°F.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with freshly abraded aluminum surfaces and chemically active metals (e.g., sodium, potassium, magnesium), oxidizers, carbon monoxide, acetic acid, organic acid anhydrides.

HAZARDOUS DECOMPOSITION PRODUCTS: Halogens, halogen acids, and carbonyl halides.

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.

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.

WHMIS CLASSIFICATION: D2B

HMIS: H-2, F-4, R-1

MSDS REVISION INDICATOR: Various modifications.

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.