

1. Identification

Product Identifier: **Pol-Ease® 2450 Release Agent**
 Product Code(s): 2450
 Use: Release agent for mold making and casting.
 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:

- Flammable Liquid Category 2
- Skin Irritation Category 2
- Specific Target Organ Toxicity (Single Exposure) Category 3
- Aspiration Hazard Category 1
- Hazardous to the Aquatic Environment – Chronic Category 2

Label Elements: Danger



Hazard Phrases

- H225 Highly flammable Liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H336 May cause drowsiness or dizziness
- H411 Toxic to aquatic life with long lasting effects

Precautionary Phrases

- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/Bond container and receiving equipment.
- P242 Use only non-sparking tools.
- P264 Wash skin thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301 + 310 IF SWALLOWED: Immediately call a poison center or doctor.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+313 IF exposed or concerned: Get medical attention.
- P331 Do NOT induce vomiting.
- P403+235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device in accordance with local and national regulations.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Isoalkanes, C ₇₋₈	70024-92-9	>90
Polydimethylsiloxane	631-62-9	<10

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Get prompt medical attention.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop.
Inhalation: Remove person to fresh air. Give artificial respiration if needed. Get immediate medical attention.
Ingestion: Do not induce vomiting. Get medical attention.
Most Important Symptoms/Effects: Not data available.
Indication of Immediate Medical Attention/Special Treatment: No data available.

5. Fire-Fighting Measures

Extinguishing Media: Use foam, dry chemical or carbon dioxide.
Specific Hazards: None known.
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 all ignition sources. Use non-sparking tools. Wear gloves and safety glasses.
Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal.

7. Handling and Storage

Safe Handling: Keep away from heat, sparks, open flames and hot surfaces. No smoking. Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area.
Safe Storage: Store in a cool, dry area. Store in original containers. Keep container closed when not in use.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: No specific known exposure limits are established for isoalkanes. OSHA has an exposure limit for “petroleum distillates” of 500 ppm (TWA).
Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.
Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.
Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.
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 liquid
Odor: Paraffinic
Odor Threshold: No data available
pH: Not applicable
Melting Point: No data available
Boiling Point: 205-225°F/96-107°C

Flash Point: 12°F/-11°C (TCC)
Evap. Rate: >1 (butyl acetate=1)
Flammability Limits: No data available
Vapor Pressure: ~63 mm Hg @ 68°F (estimated)
Vapor Density: >1 (air=1)
Relative Density: 0.7 @ 25°C
Solubility: Insoluble in water
Partition Coefficient: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: <15 cps @ 25°C
% Volatile by Volume: ~90

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under recommended conditions.
Possibility of Hazardous Reactions Under recommended conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid: Avoid moisture and extreme temperatures to protect product integrity.
Incompatible Materials: Avoid contact with water, strong acids, oxidizers, and alkalis.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, and formaldehyde.

11. Toxicological Information

Eye Contact: May cause eye irritation and/or tissue damage.
Skin Contact: Causes skin irritation and possibly dermatitis. Can be absorbed through the skin and lead to central nervous system effects.
Inhalation: May cause respiratory tract irritation, headaches, dizziness, drowsiness, anemia, nausea, and other central nervous system effects (e.g., loss of coordination, and fatigue).
Ingestion: May cause drowsiness, anemia, nausea, and other central nervous system effects.
Chronic Health Effects: No data available.
Acute Toxicity Values: No data available.
Germ Cell Mutagenicity: Components are not mutagens.
Carcinogenicity: To the best of our knowledge, this product does not 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: Causes central nervous system effects, such as headaches, dizziness, drowsiness, anemia, nausea, loss of coordination, and/or fatigue.
Repeat Exposure: No data available.

12. Ecological Information

Ecotoxicity: No specific data for product. But based on aquatic toxicity data for similar isoalkanes, this product is expected to be Aquatic Toxicity Chronic, Category 2.
Persistence and Degradability: Isoalkanes are considered not readily biodegradable based on results for CAS 90622-56-3: 22.4% by day 28 using OECD TG 301F.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state and federal regulations. For U.S.: Upon disposal, Poly-Ease® 2450 is a RCRA hazardous waste (D001: per 40 CFR 261).

14. Transport Information

UN Number: 1268
UN Proper Shipping Name: Petroleum distillates, n.o.s.
Transport Hazard Class: 3, Flammable Liquid
Packing Group: II
Environmental Hazards: Aquatic Toxicity – Chronic Cat. 2
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: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local and state regulations.
SARA TITLE III
Section 311/312: Acute Health
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: All of the components of this product are listed on TSCA.

STATE REGULATIONS:
California Proposition 65: “WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.” (Traces of benzene and toluene.)

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: Converted to GHS format.
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.