

1. Identification

Product Identifier: **Ultimate Top Coat Flooring Hardener**
 Use: For Industrial/Professional use only.
 Manufacturer: Polytek Development Corp.
 55 Hilton Street, Easton, PA 18042
 Phone Number: 541-540-1976 (8 a.m. to 4:30 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or
 +1 (703) 527-3887
 E-mail: sds@polytek.com

2. Hazards Identification

GHS Classification:

Acute Toxicity (Inhalation) – Category 4
 Skin Sensitization – Category 1
 Specific Target Organ Toxicity – Single Exposure Category 3

Label Elements: Warning



Hazard Statements

H317 May cause an allergic skin reaction.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.

Precautionary Phrases

P261 Avoid breathing fumes, vapors, mists, or sprays.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P317 Get medical help.
 P319 Get medical help if you feel unwell.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local, state, and federal regulations.

Supplemental Information: May cause allergic reaction. Sanding and grinding dusts may be harmful if inhaled.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Hydrophilic aliphatic polyisocyanate	Proprietary	90-100
Exact concentrations are withheld as trade secret. Other ingredients are either not hazardous or are present below cut-off/concentration limits.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water holding the eyelids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.

Skin Contact: Remove contaminated clothing and shoes. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists.

Inhalation: If breathing is difficult, remove person to fresh air. Get medical attention immediately.

Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: Harmful if inhaled.

Indication of Immediate Medical Attention/Special Treatment: Get immediate medical attention if inhaled.

5. Fire-Fighting Measures

Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Specific Hazards: Not classified as flammable or combustible. If in a fire or heated, a pressure increase will occur, and the container may burst.

Special Protective Equipment and Precautions for Fire-Fighters: Wear SCBA & full-body protective suit.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Use SCBA and chemically protective clothing. Clear unnecessary, unprotected personnel from the area.

Methods and Materials for Containment and Cleanup: Contain spill and prevent/minimize release to the environment. Collect with inert absorbent and containerize material for disposal. Avoid release to the environment.

7. Handling and Storage

Safe Handling: Do not breathe fumes, vapors or mists. Avoid getting material on skin. Do not smoke, eat, or drink when using this product.

Safe Storage: Keep container tightly closed in a dry, well-ventilated area. Store away from excessive heat acids, strong bases, and oxidizing agents.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: None established.

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, a NIOSH-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 clothing and gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses/goggles.

Other Protective Measures: An eye wash facility and washing facility should be available in the work area. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid, yellowish

Odor: Slight Odor

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: No data available

Flash Point: >365°F (>185°C)

Evaporation Rate: No data available

Flammable Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 1.15 g/cm³

Solubility: No data available

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: 500-1,000 cps

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Exothermic reaction with amines and alcohols. Reacts slowly with water forming CO₂, in closed containers risk of bursting owing to increase of pressure.

Conditions to Avoid: No data available.

Incompatible Materials: No data available.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide (CO₂), smoke, and oxides of nitrogen.

11. Toxicological Information

Eye Contact: May cause mild eye irritation.

Skin Contact: May cause skin irritation. May cause an allergic skin reaction.

Inhalation: Harmful if inhaled.

Ingestion: No data available.

Chronic Health Effects: May cause allergic skin reaction.

Acute Toxicity Values: For Poly(hexamethylene diisocyanate) (CAS 28182-81-2):

Inhalation LC₅₀ (rat): 0.39 mg/L, 4hr

Germ Cell Mutagenicity: Components are not classified as mutagens.

Carcinogenicity: Components are not classified as carcinogens.

Reproductive Toxicity: Components are not classified as reproductive toxins.

Specific Target Organ Toxicity: May cause respiratory irritation, drowsiness or dizziness.

12. Ecological Information

Ecotoxicity: No data available. Do not release into waterways.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: Not expected to migrate.

13. Disposal Considerations

Dispose according to local, regional and national regulations.

14. Transport Information

Not regulated for transport in any mode.

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

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity No components are subject to CERCLA reporting requirements. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: None.

Section 313 Toxic Chemicals: Does not contain 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 components are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling these products should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: Intended for industrial or professional use only.

SDS Revision Notes: GHS format: January 30, 2023

Disclaimer: The information contained herein is considered accurate; however, Polytek® Development Corp. 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.