

1. Identification

Product Identifier: **PolyCure 1220**
 Product Code(s): 1220
 Use: Amine curative for epoxy system. 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:

Acute Toxicity – Oral Category 4
 Acute Toxicity – Dermal Category 4
 Skin Corrosion Category 1
 Eye Damage/Irritation Category 1
 Skin Sensitization Category 1
 Toxic to Reproduction Category 2
 Aquatic Toxicity - Acute and Chronic Category 1

Label Elements: Danger



Hazard Phrases

H302+312 Harmful if swallowed or in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H361 Suspected of damaging fertility or the unborn child.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary Phrases

P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing vapors.
 P264 Wash hands thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace
 P273 Avoid release to the environment.
 P280 Wear protective gloves and eye protection.
 P301+312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
 P330 Rinse mouth.
 P302+352 IF ON SKIN: Wash with plenty of soap and water.
 P333+313 If skin irritation or rash occurs, Get medical attention.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: None.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
4-Nonylphenol, branched	84852-15-3	40-60
Polyoxypropylenetriamine	39423-51-3	40-60
Aminoethylpiperazine	140-31-8	1-10
Exact concentrations are withheld as trade secret.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Get medical attention if irritation persists.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation persists.
Inhalation: Remove person to fresh air. Get medical attention if symptoms persist.
Ingestion: Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
Most Important Symptoms/Effects: May cause eye damage and eye pain, watering and redness.
Indication of Immediate Medical Attention/Special Treatment: Eye pain, watering and redness.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.
Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions.
Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors.
Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

7. Handling and Storage

Safe Handling: 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. Keep container closed when not in use.
Safe Storage: Store indoors at temperatures below 120°F. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

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 ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).
Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.
Eye Protection: Wear chemical safety glasses or goggles.
Other Protective Measures: An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.

9. Physical and Chemical Properties

Appearance: Clear, colorless to pale yellow liquid
Odor: Ammonia-like
Odor Threshold: No data available
pH: Alkaline
Melting Point: No data available
Boiling Point: No data available
Flash Point: >150°C (estimated)
Evap. Rate: No data available
Flamm. Limits: No data available
Vapor Pressure: 5 mm Hg @ 25°C (estimated)
Vapor Density: >1 (Air = 1)
Relative Density: 0.98 @ 25°C
Solubility: No data available
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 100-500 cP @ 25°C

10. Stability and Reactivity

Reactivity: No specific data is available for this product.
Chemical Stability: Stable under recommended conditions.
Possibility of Hazardous Reactions: When mixed with epoxy resins (e.g., PolyPoxy) in masses exceeding 1 lb, irreversible polymerization with potentially dangerous heat buildup will occur.
Conditions to Avoid: No data available.
Incompatible Materials: Reactive or incompatible with acids and epoxy resins.
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition should not occur.

11. Toxicological Information

Eye Contact: Causes serious eye damage.
Skin Contact: Causes severe skin burns.
Inhalation: Vapors or mists may cause respiratory irritation.
Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.
Chronic Health Effects: Not fully determined.
Acute Toxicity Values: Product is considered Acute Toxicity – Oral Category 4 and Acute Toxicity – Dermal Category 4 based on toxicity data for hazardous constituents.
Respiratory Sensitization: Components are not respiratory sensitizers.
Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Components are not known mutagens.
Carcinogenicity: Components are not designated as carcinogens by NTP, IARC, or OSHA.
Reproductive Toxicity: Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: Product is considered dangerous to aquatic environment based on aquatic toxicity of nonylphenol and polyoxypropylenetriamine.
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: Low potential for bioaccumulation.
Mobility in Soil: No data available.

13. Disposal Considerations

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state and federal regulations.

14. Transport Information

U.S.: UN3267, Corrosive liquid, basic, organic, n.o.s. (nonylphenol, polyoxypropylenetriamine), 8, III. Product sold in 0.25-lb, 2-lb and 8-lb container sizes are LTD QTY.

IMDG & IATA: UN3267, Corrosive liquid, basic, organic, n.o.s. (nonylphenol, polyoxypropylenetriamine), 8, III.

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

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product does not contain reportable quantities of CERCLA 103 chemicals.

SARA TITLE III Section 311/312: Acute/Chronic Health

Section 313 Toxic Chemicals: This product 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: Components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

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: May 18, 2015. Supersedes MSDS dated Jan. 2, 2012.

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.