

1. Identification

Product Identifier: **Poly PVA Solution (Clear)**
Poly PVA Solution (Green)

Product Code(s): PVACLR, PVA

Use: Sealer/barrier coat 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
Eye Irritation Category 2
Specific Target Organ Toxicity - Single Exposure Category 3

Label Elements: Danger



Hazard Phrases

H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

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.

P240 Ground/Bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye protection.

P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use water, foam or dry chemical to extinguish.

P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: May cause central nervous system effects, such as drowsiness, dizziness, headaches, nausea, loss of coordination, and/or fatigue.

3. Composition/Information on Ingredients

Chemical Name	CAS #	GHS Classification	%
Isopropyl alcohol	67-63-0	Flammable Liquid 2 Eye Irritation 2 STOT SE 3	>35
Polyvinyl alcohol	25213-24-5	Not Hazardous	>5
Water	7732-18-5	Not Hazardous	<60

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. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure persist.

Inhalation: Remove person to fresh air. Give artificial respiration if needed. Get immediate medical attention.

Ingestion: If conscious, give two glasses of water and then induce vomiting. Get medical attention.

Most Important Symptoms/Effects: Eye irritation and possible central nervous system effects.

Indication of Immediate Medical Attention/Special Treatment: Eye irritation and central nervous system effects.

5. Fire-Fighting Measures

Extinguishing Media: Use water, foam, dry chemical or carbon dioxide.

Specific Hazards: Flammable liquid.

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 protective gloves and eye protection.

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 mist/vapors/spray. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing.

Wash thoroughly after handling. Do not eat, drink or smoke in 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: For isopropanol:

OSHA PEL 400 ppm

ACGIH TLV 200 ppm TWA, 400 ppm STEL

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Respiratory Protection: If needed, use a respirator with organic vapor cartridges. 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 or green liquid

Odor: Alcohol

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: 180°F/82°C

Flash Point: 53°F/12°C

Evaporation Rate: 2.3 (butyl acetate=1)

Flammability Limits: Upper 12%; Lower 2%

Vapor Pressure: <33 mm Hg @ 68°F

Vapor Density: ~2 (air=1)

Relative Density: 0.95 @ 25°C

Solubility: Soluble in water

Partition Coefficient: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

% Volatile by Volume: No data available

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 excessive heat, sparks, flames and ignition sources. Avoid moisture.

Incompatible Materials: Avoid contact with strong oxidizers, and aluminum equipment.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, formaldehyde and unidentified compounds.

11. Toxicological Information

Eye Contact: Causes serious eye irritation.

Skin Contact: May cause slight skin irritation.

Inhalation: May cause central nervous system effects (headaches, dizziness, drowsiness, loss of coordination, fatigue).

Ingestion: May cause drowsiness, 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 known mutagens.

Carcinogenicity: Does not contain constituents at concentrations $\geq 0.1\%$ that are listed as carcinogens by IARC, NTP, or OSHA.

Reproductive Toxicity: Components are not known reproductive toxins.

Specific Target Organ Toxicity:

Single Exposure: May cause central nervous system effects, such as dizziness, drowsiness, headaches, anemia, nausea, loss of coordination, and/or fatigue.

Repeat Exposure: No data available.

12. Ecological Information

Ecotoxicity: Not classified as hazardous to the aquatic environment.

Persistence and Degradability: Readily biodegradable in water and soil.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state and federal regulations.

U.S.: Upon disposal, liquid Poly PVA is a RCRA hazardous waste (Ignitable, D001: per 40 CFR 261).

14. Transport Information

UN Number: 1219

UN Proper Shipping Name: Isopropanol Solution

Transport Hazard Class: 3, Flammable Liquid

Packing Group: II

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 components are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: These products do not contain substances known to the State of California to cause cancer and/or 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 on Sept. 4, 2014. Supersedes Mar. 15, 2010, version.

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.