



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

1. Product and Company Identification	
Product Name	PolyColor Resist
Manufacturer's name	Horizons Incorporated
Address	18531 South Miles Road Cleveland, Ohio 44128
Emergency Telephone Number	(216) 475-0555
Information Telephone Number	(216) 475-0555

2. Hazards Identification	
GHS Classification	
H303 H333 H313 H316 H320	Acute toxicity, Oral – Category 5 Acute toxicity, Inhalation – Category 5 Acute toxicity, Dermal – Category 5 Skin corrosion/irritation – Category 3 Serious eye damage/eye irritation – Category 2B
GHS Label Elements	
Hazard Pictogram	
Signal Word	Warning
Hazard Statements	
H303 H313 H333 H316 H320	May be harmful if swallowed May be harmful in contact with skin May be harmful if inhaled Causes mild skin irritation Causes eye irritation
Precautionary Statements	
P280 P264 P302+P305+P352 P332+P313 P305+P351+P338 P337+P313 P312	Wear protective gloves and eye protection Wash thoroughly after handling IF ON SKIN OR EYES, flush area of contact with water If skin irritation occurs, get medical attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists, get medical attention Call a poison center/doctor if you feel unwell

3. Composition/Information on Ingredients		
Components/ Materials	CAS Number	%
Substituted poly(vinyl alcohol) polymer	125229-74-5	6
Poly(vinyl acetate) &/or acrylate copolymer	25067-01-0	2
Isopropyl alcohol	67-63-0	<2

4. First Aid Measures	
Inhalation	Promptly remove to fresh air. If breathing is stopped, administer artificial respiration. Get medical attention immediately.
Skin Contact	Wash affected area with soap & water after contact. Rinse immediately with plenty of water for at least 15 minutes. If irritation develops, get medical attention.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops & persists.
Ingestion	If victim is conscious, rinse mouth with plenty of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures	
Flammable Properties	Flash point – None
Flammable Limits	
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
Hazardous Combustion Products	Carbon monoxide, carbon dioxide, & nitrogen oxides.
Unusual Fire/Explosion Hazards	This product presents no unusual fire or explosion hazards
Extinguishing Media	Foam. Carbon Dioxide (CO ₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special Firefighting Procedures	Wear self-contained breathing apparatus & protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures	
Small Spill	Flush to sewer with large amounts of water, if permitted by Federal, State and local laws. Otherwise, absorb spill with an inert material and place in a chemical waste container.
Large Spill	Contain spilled liquid with sand or earth. Absorb spill with an inert material and shovel into a chemical waste container.

7. Handling and Storage	
Handling	Avoid contact with eyes. Keep container closed. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of mists and vapors. Avoid prolonged or repeated contact with skin.
Storage	Store between 65-85°F. . Keep containers sealed and out of white light when not in use.

8. Exposure Control/Personal Protection				
Exposure Limits				
Chemical Name	CAS No.	OSHA	ACGIH	NIOSH
Substituted poly(vinyl alcohol) polymer	125229-74-5	ND	ND	ND
Poly(vinyl acetate) &/or acrylate copolymer	25067-01-0	ND	ND	ND
Isopropyl alcohol	67-63-0	400 ppm PEL 500 ppm STEL	200 ppm TWA 400 ppm STEL	ND
ND – Not Determined				
Engineering Controls	Control airborne concentrations below the exposure limits. Use only with adequate ventilation. Local exhaust ventilation may be necessary.			
Respiratory Protection	When respiratory protection is required, use a NIOSH approved air-purifying respirator equipped with a combination high efficiency filter and organic vapors canister. For emergency and other conditions where exposure limits may be greatly exceeded, use an approved positive-pressure, self-contained breathing apparatus or positive-pressure air line with auxiliary self-contained air supply.			
Skin Protection	Wear protective gloves and clothing.			
Eye Protection	Use safety glasses with side shields or, preferably, chemical goggles.			

9. Physical and Chemical Properties	
Boiling Point	Approx. 100°C
Specific Gravity	1.01
% Volatiles	92% (water, isopropanol)
Solubility in Water	Soluble in all proportions
pH	5.0-7.0
Odor	Slight
Form	Liquid
Color	Light blue
VOC	13 g/liter

10. Stability and Reactivity	
Chemical Stability	Stable under normal storage conditions
Conditions to Avoid	Heat, sunlight
Incompatibility	Strong oxidizing agents.
Hazardous Decomposition Products	Burning can produce carbon monoxide, carbon dioxide, & nitrogen oxides, when heated to decomposition.
Hazardous Polymerization	Will not occur

11. Toxicological Information

Results of component toxicity test performed:

Data for substituted poly(vinyl alcohol) polymer	No data available.
Data for poly(vinyl acetate) &/or acrylate copolymer	No data available.
Data for isopropyl alcohol	Acute Toxicity Data: Oral (rat) LD50: 5045 mg/kg; Dermal (rabbit) LD50: 12,800 mg/kg; Inhalation (rat) LC50: 16,000 ppm/8hr.

12. Ecological Information

The following properties are ESTIMATED from the components of the preparations.

Potential Toxicity:

Toxicity to Danio rerio (LC50):	ND
Toxicity to Daphnia magna (EC50):	ND
Persistence and degradability	ND
Chemical Oxygen Demand (COD)	ND
Biochemical Oxygen Demand (BOD)	ND
Chemical Fate Information	ND

13. Disposal Considerations

Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities should be incinerated or may be landfilled in approved systems. Note that Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal. Contact a licensed professional waste disposal service to dispose of large quantities of this material

14. Transport Information

Proper Shipping Name	Chemicals, N.O.S., Not DOT Regulated
UN No.	None
IATA Class	Not Regulated
Packing Group	Not applicable

15. Regulatory Information**U.S. Federal Regulations**

TSCA Section 8 (b) Inventory	All components are listed on the TSCA Chemical Inventory
OSHA	Not hazardous by definition of Hazard Communications Standard (29CFR1910.1200)
SARA Hazard Category	
SARA 302 Components	No listed components
SARA 313 Components	No listed components
SARA 311/312 Hazards	None
State Regulations	
Massachusetts Right To Know Components	Isopropyl alcohol
Pennsylvania Right To Know Components	Isopropyl alcohol
New Jersey Right To Know Components	Isopropyl alcohol
California Proposition 65 Components	This product does not contain any chemical known to the State of California to cause cancer or reproductive harm.

16. Other Information**HMS**

H – 1

F – 0

R – 0

PPE – B

The information in this material safety data sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations & management, and for persons working with or handling this product. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions but does not purport to be all inclusive. Horizons Incorporated shall not be held liable for any damage resulting from handling or from contact with the above product.