




Safety Data Sheet

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

1. Product and Company Identification	
Product Name	Instacolor 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	%
Gelatin	9000-70-8	15
Methylenebisacrylamide	110-26-9	<2

4. First Aid Measures	
Inhalation	No specific intervention is indicated as the product is not likely to be hazardous by inhalation.
Skin Contact	Flush skin with water after contact. Wash contaminated clothing before reuse.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	If conscious, immediately give 2 to 4 glasses of water. Induce vomiting only at the instruction of medical personnel. Call a physician or poison control center immediately.

5. Fire Fighting Measures

Flammable Properties	Flash point – non-flammable
Flammable Limits	
Lower Flammable Limit	Not applicable
Upper Flammable Limit	Not applicable
Hazardous Combustion Products	Carbon monoxide, ammonia, nitrogen oxides
Unusual Fire/Explosion Hazards	None
Extinguishing Media	Use that of surrounding fire
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 65-95°F, preferably between 68-85°F, in order to avoid decomposition or crystallization. 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
Gelatin	9000-70-8	ND	ND	ND
Methylenebisacrylamide	110-26-9	ND	ND	ND
Note: The manufacturer recommend a 5mg/m3 TWA for Methylenebisacrylamide 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	For brief contact, no precautions other than clean body-covering clothing should be needed. Use chemical resistant gloves, such as nitrile or polychloroprene.			
Eye Protection	Use safety glasses with side shields or, preferably, chemical goggles.			

9. Physical and Chemical Properties

Boiling Point	>100°C
Specific Gravity	1.05 – 1.10
% Volatiles	84%
Solubility in Water	Soluble in all proportions
pH	5.0
Odor	Slight odor
Form	Liquid
Color	Amber
VOC	None

10. Stability and Reactivity

Chemical Stability	Stable under normal storage conditions
Conditions to Avoid	Do not mix with strong oxidizing agents
Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur

11. Toxicological Information

Results of component toxicity test performed:

Data for Gelatin (CAS 9000-70-8)	Acute Toxicity Data: Oral LD50: Not Available Dermal LD50: Not Available. Inhalation LC50: Not Available
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Data for Methylenebisacrylamide (CAS 110-26-9)	Acute Toxicity Data: Oral (Rat) LD50: 390 mg/Kg.
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This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.**12. Ecological Information**

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

Potential Toxicity:

Toxicity to fish (LC50)	Not Available
Toxicity to daphnia (EC50)	Not Available
Toxicity to algae (IC50)	Not Available
Toxicity to other organisms (EC50)	Not Available

Persistence and degradability	Not Available
Chemical Oxygen Demand (COD)	Not Available
Biochemical Oxygen Demand (BOD)	Not Available
Chemical Fate Information	Not Available

13. Disposal Considerations

Small quantities may be discharged to sewers. 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 D.O.T. 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	Hazardous by definition of Hazard Communications Standard (29CFR1910.1200)

SARA Hazard Category

SARA 302 Components	None
SARA 313 Components	None
SARA 311/312 Hazards	Acute health Hazard, Chronic Health Hazard

State Regulations

Massachusetts Right To Know Components	None
Pennsylvania Right To Know Components	None
New Jersey Right To Know Components	None
California Proposition 65 Components	None

16. Other Information**HMIS**

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.