



## Safety Data Sheet

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

1. Product and Company Identification	
Product Name	InstaColor Dye – Blue
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	
<b>GHS Classification</b>	
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
<b>GHS Label Elements</b>	
Hazard Pictogram	<i>No symbol</i>
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+P352 P305+P351+P338  P332+P337+P313 P312	Wear protective gloves and eye protection Wash thoroughly after handling IF ON SKIN: flush area of contact with water IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If skin or eye irritation occurs or persists: Get medical advice/attention Call a poison center/doctor if you feel unwell

3. Composition/Information on Ingredients		
Components/ Materials	CAS Number	%
Solvent Blue 44	Not available	100
Copper (as an integral part of the dye molecule)	7440-50-8	5-5.3

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 Remove & wash contaminated clothing before reuse. 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 ingested, do not induce vomiting. Do not give anything to drink. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

<b>5. Fire Fighting Measures</b>	
<b>Flammable Properties</b>	Flash point – None
<b>Flammable Limits</b>	
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
<b>Hazardous Combustion Products</b>	
<b>Unusual Fire/Explosion Hazards</b>	Carbon monoxide, Carbon dioxide, nitrogen oxides, sulfur dioxide. Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.
<b>Extinguishing Media</b>	Foam. Carbon Dioxide (CO <sub>2</sub> ). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Special Firefighting Procedures</b>	Wear self-contained breathing apparatus & protective clothing to prevent contact with skin and eyes. Prevent runoff to sewers and bodies of water from fire fighting involving this product as product contains Clean Water Act priority pollutants.

<b>6. Accidental Release Measures</b>	
<b>Small Spill</b>	Sweep up spill and place in a chemical waste container
<b>Large Spill</b>	Wear proper protective equipment. Vacuuming or wet sweeping may be used to avoid dust dispersal. Clean-up by removal of contaminated soil if appropriate. Place material or contaminated soils in a suitable disposal container. Avoid runoff to sewers and bodies of water

<b>7. Handling and Storage</b>	
<b>Handling</b>	Minimize dust generation and accumulation. Keep away from sources of ignition. Lead off electrostatic charges. Avoid contact with eyes, and clothing. Keep container closed. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of dusts. Avoid prolonged or repeated contact with skin.
<b>Storage</b>	Store between 65-85°F. Keep containers sealed when not in use.

<b>8. Exposure Control/Personal Protection</b>				
<b>Exposure Limits</b>				
Chemical Name	CAS No.	OSHA	ACGIH	NIOSH
Solvent Blue 44		ND	ND	ND
Copper compounds	7440-50-8	1mg/m <sup>3</sup> , 8hr TWA	1mg/m <sup>3</sup> , 8hr TLV	ND
ND – Not Determined				
<b>Engineering Controls</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.			
<b>Respiratory Protection</b>	When respiratory protection is required, use a NIOSH approved air-purifying respirator equipped with a high efficiency dust/mist filter. 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.			
<b>Skin Protection</b>	Wear protective gloves and clothing.			
<b>Eye Protection</b>	Use safety glasses with side shields or, preferably, chemical goggles.			

<b>9. Physical and Chemical Properties</b>	
Boiling Point	Not available
Specific Gravity	1.4
% Volatiles	None
Solubility in Water	Insoluble
pH	Approx. 7 (20°C, 50g/l, aqueous suspension)
Odor	None
Form	Powder
Color	Blue
VOC	None

<b>10. Stability and Reactivity</b>	
<b>Chemical Stability</b>	Stable under normal storage conditions
<b>Conditions to Avoid</b>	Keep product away from heat, sparks, static electricity, and open flame.
<b>Incompatibility</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Burning can produce carbon monoxide, carbon dioxide, nitrogen oxides, & sulfur dioxide when heated to decomposition.
<b>Hazardous Polymerization</b>	Will not occur

<b>11. Toxicological Information</b>	
Results of component toxicity test performed:	
Data for Solvent Blue 44	Acute Toxicity Data: Oral rat LD50: >2000 mg/kg; Skin irritation: Non-irritant (rabbit), Method: OECD 404 Eye irritation: Non-irritant (rabbit), Method: OECD 405

<b>12. Ecological Information</b>	
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

<b>13. Disposal Considerations</b>	
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	

<b>14. Transport Information</b>	
<b>Proper Shipping Name</b>	Chemicals, N.O.S., Not DOT Regulated
<b>UN No.</b>	None
<b>IATA Class</b>	Not Regulated
<b>Packing Group</b>	Not applicable

<b>15. Regulatory Information</b>	
<b>U.S. Federal Regulations</b>	
<b>TSCA Section 8 (b) Inventory</b>	All components are listed on the TSCA Chemical Inventory
<b>OSHA</b>	Hazardous by definition of Hazard Communications Standard (29CFR1910.1200)
<b>SARA Hazard Category</b>	
<b>SARA 302 Components</b>	No listed components
<b>SARA 313 Components</b>	Copper (as an integral part of the dye molecule)
<b>SARA 311/312 Hazards</b>	Acute Hazard
<b>Clean Water Act</b>	Contains priority pollutant copper at concentrations >0.1%
<b>CERCLA</b>	Copper (RQ 5000 lbs)
<b>State Regulations</b>	
<b>Massachusetts Right To Know Components</b>	None
<b>Pennsylvania Right To Know Components</b>	None
<b>New Jersey Right To Know Components</b>	None
<b>California Proposition 65 Components</b>	This product does not contain any chemical known to the State of California to cause cancer or reproductive harm.

<b>16. Other Information</b>	

<b>HMIS</b>
H – 1
F – 1
R – 0
PPE – E
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.