



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 – Green
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	Acute toxicity, Oral – Category 5
H333	Acute toxicity, Inhalation – Category 5
H313	Acute toxicity, Dermal – Category 5
H316	Skin corrosion/irritation – Category 3
H320	Serious eye damage/eye irritation – Category 2B
GHS Label Elements	
Hazard Pictogram	<i>No symbol</i>
Signal Word	Warning
Hazard Statements	
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H333	May be harmful if inhaled
H316	Causes mild skin irritation
H320	Causes eye irritation
Precautionary Statements	
P280	Wear protective gloves and eye protection
P264	Wash thoroughly after handling
P302+P352	IF ON SKIN: flush area of contact with water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332+P337+P313	If skin or eye irritation occurs or persists: Get medical advice/attention
P312	Call a poison center/doctor if you feel unwell

3. Composition/Information on Ingredients		
Components/ Materials	CAS Number	%
Solvent Blue 44	Not available	55
Solvent Yellow 83:1	Not available	12
Solvent Yellow 19	10343-55-2	33
Copper (as an integral part of the dye molecule)	7440-50-8	2.7-2.9
Chromium III (as an integral part of the dye molecule)	7440-47-3	0.7-0.9

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.

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, sulfur dioxide, & oxides of chromium and copper. Ash will contain chromium and copper.
Unusual Fire/Explosion Hazards	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.
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. Prevent runoff to sewers and bodies of water from fire fighting involving this product as product contains Clean Water Act priority pollutants.

6. Accidental Release Measures

Small Spill	Sweep up spill and place in a chemical waste container
Large Spill	Wear proper protective equipment. Product contains heavy metals. Spills should be swept or shoveled up and collected for disposal. 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

7. Handling and Storage

Handling	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.
Storage	Store between 65-85°F. Keep containers sealed when not in use.

8. Exposure Control/Personal Protection

Exposure Limits				
Chemical Name	CAS No.	OSHA	ACGIH	NIOSH
Solvent Blue 44		ND	ND	ND
Copper compounds	7440-50-8	1mg/m ³ , 8hr TWA	1mg/m ³ , 8hr TLV	ND
Solvent Yellow 83:1		ND	ND	ND
Chromium III compounds	7440-47-3	0.5 mg/m ³ TWA	0.5mg/m ³ TLV	ND
Solvent Yellow 19	10343-55-2	ND	ND	ND
ND – Not Determined				
Engineering Controls	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.			
Respiratory Protection	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.			
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	Not available
Specific Gravity	1.3
% Volatiles	None
Solubility in Water	Insoluble
pH	Approx. 6-8 (20°C, 100g/l, aqueous suspension)
Odor	None
Form	Powder
Color	Green
VOC	None

10. Stability and Reactivity	
Chemical Stability	Stable under normal storage conditions
Conditions to Avoid	Keep product away from heat, sparks, static electricity, and open flame.
Incompatibility	Strong oxidizing agents.
Hazardous Decomposition Products	Oxides of carbon, nitrogen, sulfur, chromium, & copper may be produced when heated to decomposition. Ash will contain chromium and copper.
Hazardous Polymerization	Will not occur

11. Toxicological Information	
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
Data for Solvent Yellow 83:1	Acute Toxicity Data: Oral rat LD50: >2000 mg/kg.
Data for Solvent Yellow 19	No data available

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.	
This product contains chromium predominantly in the trivalent state. Under certain conditions chromium can be oxidized to the hexavalent state. Wastes containing hexavalent chromium may be D007 RCRA hazardous wastes per 40 CFR 261.24. Wastes containing exclusively or nearly exclusively trivalent chromium are not hazardous wastes per 40 CFR 261.4(6) (l) (4).	
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	Hazardous by definition of Hazard Communications Standard (29CFR1910.1200)
SARA Hazard Category	
SARA 302 Components	No listed components
SARA 313 Components	Chromium (III) Compounds, Copper Compounds
SARA 311/312 Hazards	Acute health Hazard, Chronic health Hazard
Clean Water Act	Contains priority pollutant chromium and copper at concentrations >0.1%
CERCLA	Copper (RQ 5000 lbs), Chromium (RQ 2270 Kg)
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	This product does not contain any chemical known to the State of California to cause cancer or reproductive harm.

16. Other Information

HMIS

H – 2

F – 1

R – 0

PPE – E

<p>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.</p>
