



Green Colorant

MATERIAL SAFETY DATA SHEET

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HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0 PERSONAL PROTECTION: H

SECTION 1: PRODUCT IDENTIFICATION

Product I.D.: 41000747
Product Name: COLORFAST GREEN COLORANT
Product Description: Pigment Green Dispersion Blend
Chemical Family: Contains phthalocyanine pigment
Effective Date: June 29, 2007

SECTION 2: HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

Emergency Overview:

Unprotected contact may cause moderate eye and respiratory irritation. Mild to moderate skin irritation.

Eye Contact:

Depending on degree of UNPROTECTED contact with dust, liquid, splashes, droplets, vapors, aerosols or mists, product may cause MODERATE EYE IRRITATION, pain, redness, stinging sensation, swelling, watering, inflammation, itching, burning feeling and other effects. Heavy or prolonged contact may increase effects to more severe irritation, clouding of cornea or possible injury to eyes. Heated processing of liquids that creates mists or vapors may intensify effects.

Skin Contact:

Depending on degree of UNPROTECTED exposure, PROLONGED, EXCESSIVE OR REPEATED CONTACT with product can cause MILD TO MODERATE IRRITATION, redness, inflammation, drying, cracking, other effects. Repeated, long-term contact with some powdered or crystallized products may cause some abrasion of skin.

Inhalation:

Depending on degree of contact, UNPROTECTED inhalation of vapors, mists, aerosols, or dusts may cause MODERATE IRRITATION of nose, throat, lungs, mucous membranes, headache, dizziness, cough, chest pain, shortness of breath, nausea, mucous production, or other effects. HEAVY/REPEATED/PROLONGED inhalation may increase effects with reduced pulmonary function, possible chest illness/lung damage, Central Nervous System effects or other symptoms. High concentrations of solvent vapors in air, or from high temperatures or heated processing may increase effects causing unconsciousness.

Ingestion:

Depending on amount swallowed, product can cause headache, gastrointestinal irritation, upset stomach, abdominal pain, nausea, vomiting (material aspirated into lungs during vomiting IS A MEDICAL EMERGENCY and may injure lungs), diarrhea, MODERATE IRRITATION of mouth, throat, esophagus, stomach, entire gastrointestinal tract, CNS (Central Nervous System) depression including mental sluggishness, mental confusion, fatigue, weakness, dizziness, drowsiness, faintness. Overexposure/high dose can cause severe irritation, dizziness, loss of balance, unconsciousness, other effects. Possibly fatal.

Medical Conditions Aggravated by Exposure:

NOT KNOWN TO AGGRAVATE existing medical conditions when all recommended and appropriate Personal Protective Equipment is worn correctly and well maintained. As a precaution against unforeseen aggravation of existing conditions, individuals with known or suspected medical conditions of the respiratory system, eyes, skin, or chemical sensitivities or allergies, should avoid working with and being exposed to chemicals.

Skin Sensitization:

Not known to cause skin sensitization or allergic reactions. With careful handling and when good chemical hygiene procedures are followed, harmful effects are not expected. As a precaution against unforeseen or unexpected sensitivity or possible allergic reactions, follow ALL Personal Protection instructions in Section 8 of this MSDS.

Respiratory Sensitization:

Respiratory sensitization caused by inhalation of product dust, vapors, mists or aerosols HAS NOT BEEN DETERMINED. As a precaution against aggravating existing respiratory conditions, hypersensitivity, allergic reactions, or other unforeseen health effects, be sure to read, understand and follow all supervisor instructions, and instructions for wearing Personal Protective Equipment and clothing in Section 8 of this MSDS. Avoid inhalation of product in any form. ALLERGIC REACTIONS and SENSITIVITY depend on the individual, and CAN BE UNPREDICTABLE.

Special Warnings:

None for this material

Unusual Health Hazards:

None for this material

Supplemental Hazard Information:

Notes to Physician:

Treat Symptomatically, based on Section 3 Hazard Warnings unless otherwise indicated

Cancer Information:

**** Not known to contain carcinogens**

SECTION 3: OSHA HAZARDOUS INGREDIENTS

Component	CAS Number	Wt %	OSHA - PEL	ACGIH - TLV	Recommended PEL
Nonionic surfactant 99980072	Mixture	1 - 10%	Not established	Not established	Aim for zero exposure with PPE

Important Notice:

UNPROTECTED CONTACT with Section 3 ingredients may be hazardous based on OSHA 29 CFR 1910.1200 & related appendices. Unless otherwise noted, components not listed are confidential, non-hazardous, or not reportable. This MSDS is not intended to offer full disclosure. Confidential information is available to medical or emergency personnel. Any hazard is based on exposure. Use ALL PROTECTIVE EQUIPMENT & CLOTHING (Section 8) TO MINIMIZE or ELIMINATE CONTACT. Effects from contact may be unpredictable, based on individual reactions. End-users are responsible for hazard determination and communication. Non-carcinogenic components are indicated within a 1-10% range. HMIS ratings are based on data interpretation, and can vary from company to company. They are to be used only for quick, general identification of the degree of potential hazards. To handle this material safely, you must consider all information in this MSDS. Consult the National Paint & Coatings Association and the HMIS Manual for complete information and employee training to understand ratings.

SECTION 4: FIRST AID INSTRUCTIONS

Eve Contact:

Immediately rinse with flowing water for at least 15 minutes while holding eyelids open. Get immediate medical attention, as a precaution.

Skin Contact:

Immediately remove contaminated clothing. Wash affected area with soap and rinse with plenty of water. Get medical attention, as a precaution.

Inhalation:

Immediately move person to fresh air. If breathing is difficult give oxygen, call 911, calm the individual. If not breathing, call 911, give artificial respiration (CPR) until medical help arrives. Have this Material Safety Data Sheet available.

Ingestion:

Do not induce vomiting unless directed to do so by a doctor or by other emergency medical personnel. Forced vomiting of certain chemicals may cause aspiration and lung damage. Have this Material Safety Data Sheet available.

SECTION 5: FIRE FIGHTING INSTRUCTIONS

Flash Point:

Not applicable or not established

Auto-ignition Temperature:

Not applicable

LEL:

Not applicable U

EL:

Not applicable

Unusual hazards: None

expected

Other Hazards:

None known **Types of Extinguishers:**

CO2, dry chemical, foam, water fog or spray depending on type of fire

Fire Fighting Directions:

Wear self-contained breathing equipment and fire-proof clothing. Use water spray to cool fire exposed containers if they cannot be safely moved.

SECTION 6: ACCIDENTAL SPILL OR RELEASE INSTRUCTIONS

Special Precautions:

None known. Follow general precautions shown below.

Reporting:

Check the RQ

Static Discharges:

Take precautionary measures against static discharges when cleaning up leaks or spills of powders, combustibles, or flammable liquids. Containers should be properly grounded with metal straps, cables or other appropriate means to relieve static electricity build-up or generation. .

Environmental Protection:

Immediately dike liquid spills with inert absorbent material (sand, "Oil Dry" or other commercially available spill absorbent) to contain and soak up liquid. Prevent material from entering floor drains, sewers, or any bodies of water. For powder spills, use sweeping compound, sawdust, or other appropriate material to contain dust. If possible, recover any uncontaminated materials to re-use.

Protective equipment and clothing:

Wear all proper personal protective equipment and clothing to care for spill situation. See section 8 of this MSDS.

Clean up:

After containing liquid spill by diking and soaking up with inert absorbent material, place in labeled container to be sealed for proper and regulated disposal. Only the slightest residue should remain. Try to save uncontaminated material for reuse whenever possible. For powders, use sweeping compound to minimize dust and pick up as much product as possible. Do not allow liquids to seep into drains, sewers, lakes, rivers, etc. Check Sections 1 and 2 for dye description or type. Solvent dye residue may be cleaned by scrubbing with detergent, depending on type. Do not add water to water-soluble dyes. Dye is concentrated. This will increase amount of color to remove. All cleaning or scrubbing liquids used should be absorbed and placed in labeled containers for correct disposal. Absorbent material containing solvents may release combustible or flammable vapors and should be handled accordingly, properly labeled and disposed. Check Sections 2, 5, 13 & 15 for applicable instructions and regulations.

SECTION 7: HANDLING AND STORAGE**Warnings and Precautions:**

No special precautions anticipated. Wear all PPE in section 8 as a precaution, and avoid physical contact with material.

Personal Protection:

Wear ALL proper personal protective equipment as outlined in section 8 of this MSDS.

Handling, Storage & Temperature Conditions:

Keep containers tightly sealed in cool & dry area, out of direct sunlight. FOR PRODUCTS LISTING FLAMMABLE/COMBUSTIBLE SOLVENTS or LOW FLASH POINTS: Store away from fire hazards and ignition sources, high heat, open flames, welding, hot plates, steam pipes, radiators, etc. Maintain good ventilation. Guard against static discharges. Ground all containers before mixing or filling. Use non-sparking tools to open, close or otherwise work with containers. Limit indoor storage to approved areas with automatic sprinklers. Vapors expected to be released when material is heated during process operations. At minimum, follow all Section 8 recommendations for Exposure Controls and Personal Protection. FOR WATER-BASED PRODUCTS: Do not freeze. Also ground containers when filling or mixing powders.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Note: Selecting protective equipment & clothing:**

When choosing personal protective equipment and clothing, consider each worker environment, all chemicals being handled, temperature and all other conditions.

Eye protection:

Always wear indirectly vented, splash-proof chemical safety goggles under a clear face-shield. Face shield is not to be used without these goggles.

Skin Protection:

Always wear the most impervious, chemical-resistant synthetic or rubber gloves. Check with glove manufacturer to be sure you have the best glove for the chemicals being handled. Wear good quality long sleeved work work, proper coveralls, and a rubber or plastic apron. Wash hands after handling and before eating, drinking or using restroom. Shower after each shift. Clean contaminated protective equipment and clothing before reusing and wearing again.

Respiratory Protection:

WHENEVER exposure to product vapors, mists, or aerosols is expected, ALWAYS wear an appropriate NIOSH approved organic vapor/mist air-purifying or air-supplied respirator, with ALL proper filters, as necessary. After each shift, completely clean respirator in compliance with 29 CFR 1910.134.

Eve Washes and Other Protection:

Eye wash stations and drench showers should be located within 100 feet or 10-second walk of the work area per ANSI standard Z358.1-1990.

Ventilation:

Local exhaust should be used to maintain exposure limits below specified amounts recommended by OSHA, NIOSH, or ACGIH and to draw spray, aerosol, vapors, or dusts away from workers and prevent routine inhalation. At least 10 air changes per hour are recommended for good room ventilation.

Airborne Exposure Limits:

Not referenced in literature

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

pH:	Not established
% Water Content:	35-50
% Total Solids / Non-Volatiles:	30-45
% Total VOC:	Not established
Solvents by weight:	Not applicable / not verified
Boiling Point:	Not established Green
Color:	Liquid
Form:	Mild
Odor:	- 32 °F
Freezing/Melting Point:	Not Established
Lbs. per gallon:	Not established
Specific Gravity (Liquid):	Not established
Vapor Pressure: Water	Dispersible
Solubility: Solvent	Not applicable
Solubility: Other	No further data
Properties:	

All Data shown above are typical values, not specifications.

Any quantity of VOC's reported here is calculated based on the U.S. EPA definition. State or local definitions may differ. To request additional Regulatory Compliance Data, call 312-666-2015.

SECTION 10: STABILITY AND REACTIVITY

Stability:

Product is expected to be stable under normal, ambient (controlled) conditions concerning heat, moisture, pressure, fire and ignition hazards, and ventilation. Contact with incompatible or reactive materials may cause hazardous reactions in some products if indicated. Check information below.

Hazardous Polymerization:

Product will not undergo polymerization.

Conditions to Avoid:

Prolonged, excessive heat. Incompatibles.

Incompatible Materials:

Oxidizers, permanganates, chromates, perchlorates, strong bases @ high temps.

Hazardous Decomposition Products:

In fire: Chlorine gas. Oxides of carbon and nitrogen.

Possible Hazard Reactions:

None known

SECTION 11: TOXICOLOGICAL INFORMATION

Oral LD50 (Rat):	No data currently available
Dermal LD50 (Rabbit):	Not established
Eye Effects (Rabbit):	No data currently available
Skin Effects (Rabbit):	No data currently available
Mutagenicity:	No data currently available
Inhalation LC50 (Rat):	No data currently available
Skin Sensitization (Guinea Pig):	No data currently available
Respiratory Sensitization:	No data currently available
Additional Toxicity Data:	No data currently available
Supplemental Test Data:	No data currently available

SECTION 12: ECOLOGICAL DATA

BOD: No data currently available
COD: No data currently available
Aquatic Toxicity: No data currently available
Biodegradability: No data currently available
Persistence: No data currently available
Ecotoxicity: No data currently available
Sewage Treatment: Other Undetermined
Data: Supplemental Test No additional data is available
Data: No data currently available

SECTION 13: DISPOSAL AND ENVIRONMENTAL CONSIDERATION

Reuse of materials:

Reclaim all uncontaminated material to reuse, recycle or otherwise rework whenever possible.

Contain - Do not release:

Do not release into sewers, water systems, ground systems or ecosystems without proper authorization.

Disposal Methods:

Incinerate, treat, or bury (landfill), after sampling and testing, at facility approved by applicable federal, state, and local authorities.

Empty Containers:

Empty containers may contain residue and/or vapors and should not be reused unless professionally cleaned and reconditioned. Crush if not cleaned, to prevent reuse.

Applicable Regulations:

See Section 15 if regulated

Special Instructions:

See Section 15 if regulated

SECTION 14: SHIPPING AND TRANSPORTATION INFORMATION

DOT Regulations (Ground):

DOT Notes: Not regulated. Protect from freezing.

IATA Regulations (Air):

IATA Notes: Not regulated. Protect from freezing.

IMDG / IMO Regulations (Water):

IMDG / IMO Notes: Not regulated. Protect from freezing.

SECTION 15: REGULATORY INFORMATION

Regulatory List Reference:

NOTE: Regulations only apply when List Number(s) below are shown on line(s) above this note.

Example A: 5, 8 (Indicates chemical is listed as an EPA HAP and a Marine Pollutant)

Example B: 10: D007, 11: 5000 (Indicates chemical is a hazardous waste (Chromium), and is an EHS with RQ of 5000 lbs.) Number immediately after List Number is the RQ.

List Numbers

- 1-Accidental Release Substance
- 2-CERCLA 304 Hazardous Substance (RQ)
- 3-Reserved
- 4-Clean Air Act-Sec. 111 Volatile Organic Compounds (VOC)
- 5-Clean Air Act-Sec. 112 Haz. Air Pollutant (HAP, HAP Code)
- 6-Clean Air Act-Ozone Depleting Chemical (ODC)
- 7-Clean Water Act-RQ
- 8-Clean Water Act-Priority Pollutant (PP) RQ
- 9-Marine Pollutant (MP)
- 10-PSM Highly Hazardous Chemical
- 11-RCRA Hazardous Waste (RCRA Code)
- 12-SARA 302 Extremely Hazardous Substance (EHS) (RQ)
- 13-SARA 313 Toxic Release Inventory (TRI) (TR Conc., TR Threshold)
- 14-SOCMI Chemical
- 15-State Lists
 - CA-California Proposition 65
 - NJ-New Jersey RTK Hazardous Substance List
 - NJ-New Jersey TCPA Extremely Hazardous Substance List
- 16-Supplemental regulatory information (SRI)

List revised 12/29/05 win (Current list is not applicable to previously issued MSDS')

SARA 311/312 Hazard Categories:

- Immediate / Acute Health Hazard:** YES
- Chronic / Delayed Hazard:** NO
- Fire Hazard:** NO
- Sudden Release of Pressure Hazard:** NO

- Reactivity Hazard:** NO

NATIONAL CHEMICAL INVENTORIES

- AICS (Australia): ASIA-** Status not determined Status
- PAC (Asia-Pacific): DSL** not determined Status not
- (Canada): ECL (Korea):** determined Status not
- EINECS (Europe): ENCS** determined Status not
- (Japan): IECSC (China):** determined Status not
- PICCS (Philippines):** determined Status not
- TSCA (US):** determined Status not
- OTHER:** determined Components listed or exempt

Supplemental Regulatory Information

SECTION 16: OTHER INFORMATION

Reason for Revision: General review. Hazard reassessment.
Reviewed: win 031907

Disclaimer:

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200, and supersedes any previous information. Previously dated sheets are invalid and inapplicable.

END OF MSDS