

MATERIAL SAFETY DATA SHEET

HOLCOBATCH PLANTSRIPTIONS GREEN UV 11-20-39485

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Holcobatch Plantscriptions Green UV**
Company: Holland Colours Americas Inc.
1501 Progress Drive
Richmond, IN 47374
(765) 935-0329 (telephone)
(765) 966-3376 (fax)
Emergency Phone: (765) 935-0329

2. HAZARDS IDENTIFICATION

Emergency Overview: May cause mild eye/skin irritation.

Potential Health Effects:

Principle routes of exposure: Eye/skin contact.

Eye contact: May cause mild irritation.

Skin contact: Prolonged skin contact may cause mild skin irritation and/or dermatitis.

Inhalation: Not expected to be an inhalation hazard due to the dust-free and non-volatile nature of the product.

Ingestion: Not expected to be an ingestion hazard. Ingestion is possible, but not likely.

Chronic toxicity: Chronic effects are not expected due to the dust-free and non-volatile nature of the product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>Weight %</u>
Titanium dioxide	13463-67-7	5% - 10%
Carbon black	1333-86-4	0.1% - 1%

4. FIRST AID MEASURES

Eye contact: Rinse immediately for 15 minutes with plenty of water, also under the eyelids. Get medical attention if irritation develops.

Skin contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

Ingestion: Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point: >200°C.

Suitable extinguishing media: Foam, carbon dioxide, water, dry chemical powder. Use extinguishing media suitable to the surrounding environment.

Hazardous decomposition products: CO, CO₂.

Special protective equipment for firefighters: Wear a positive-pressure self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions: Avoid dust formation. Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Cleanup methods: Scoop or vacuum material into suitable, closed containers for re-use or disposal. Use non-sparking tools during transfer. Wear personal protective equipment.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with skin, eyes and clothing. Wash hands thoroughly before eating, drinking or smoking.

Storage: Keep container tightly closed in a dry and well-ventilated place. Store away from excessive heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

<u>Component (as regulated)</u>	<u>OSHA PEL (mg/m3)</u>	<u>NIOSH REL (mg/m3)</u>
Titanium dioxide	15 TWA	10 TWA (ACGIH TLV)
Carbon black	3.5 TWA	3.5 TWA

Engineering controls: Provide appropriate exhaust ventilation at machinery and at places where dust or fumes can be generated.

Personal protective equipment:

Eye protection: Safety glasses with side shields.

Skin and body protection: Lightweight protective clothing.

Hand protection: Rubber, PVC coated impervious gloves.

Respiratory protection: None should normally be necessary. Use NIOSH approved respirator if personnel experience respiratory discomfort or irritation.

Hygiene measures: Wash hands before breaks and at the end of workday. Do not wear contaminated work clothing out of the workplace. Provide eyewash stations and safety showers near work stations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid particulate

Odor: Mild

Specific gravity: 1.09

Water solubility: Negligible

Solubility in other solvents: Negligible

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Polymerization: Will not occur.

Hazardous decomposition products: CO₂.

Materials to avoid: Oxidizing agents.

Conditions to avoid: Excessive heat, poor ventilation.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data available.

Carcinogenicity: Titanium dioxide, a component of this product, is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity of titanium dioxide in humans and sufficient evidence in experimental animals. Carbon black, a component of this product, is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity of carbon black in humans and sufficient evidence in experimental animals. There is sufficient evidence in experimental animals for the carcinogenicity of carbon black extracts.

Signs and symptoms of exposure: Irritation of the eyes and skin.

Medical conditions generally aggravated by exposure: None known.

12. ECOLOGICAL INFORMATION

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Ecotoxicity: Not determined.

Persistence and degradability: Partially degradable.

13. DISPOSAL CONSIDERATIONS

Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Dispose of contaminated or unused material in accordance with federal, state and local regulations. Prevent entry into sanitary or waste water systems. Processing or otherwise altering this material may make the disposal information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

U.S. Regulations:

TSCA Chemical Substance Inventory: Components are listed or exempt.

TSCA 12(b) Export Notification: Not subject to notification requirements.

SARA 302 extremely hazardous substances: None.

SARA 311/312 hazards: Fire.

SARA 313 chemicals: None above de minimis levels.

CAA Hazardous Air Pollutants (HAPS): None.

State Regulations: Not subject to supplier notification requirements in New Jersey, Pennsylvania, and California.

Canadian Regulations:

DSL (Domestic Substances List): Components are listed or exempt.

16. OTHER INFORMATION

HMS:

Health: 1

Fire: 1

Physical hazard: 0

PPE: E

HMS ratings involve data and interpretations that may vary from company to company and are intended only for rapid, general identification of the magnitude of the specific hazard.

Disclaimer of liability: The information in this MSDS was obtained from sources which are believed to be reliable. However, the information is provided without any warranty, express or implied, regarding its accuracy or completeness. Holland Colours Americas does not control the conditions or methods of handling, storage, use or disposal of the product. Therefore we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Prepared by: Holland Colours Americas Inc. Regulatory Coordinator

Date prepared: 08/02/11

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