

Food color



TECHNICAL DATA

PRODUCT NAME: FD&C GREEN 3
PRODUCT CODE: 10-25-DA-4203

Color Index No:	42053
CTFA Identification:	FD&C Green No. 3
Pure Color:	85% minimum
Dye Classification:	Triphenylmethane
Chemical Formula:	$C_{37}H_{36}N_2O_{10}S_3 \times 2Na$
Heavy Metals:	Lead <10 ppm Arsenic <3 ppm Mercury <1 ppm Chromium <50 ppm
Sum of Volatile Matter (@ 135°C) and Chlorides and Sulfates:	<15.0%
Water Insoluble:	<0.2%
Recommended Use:	Foods, drugs, shampoo, bubble bath and cosmetics

The information provided on this and any following pages regarding our product(s) has been developed as a guide for your consideration and verification and does not constitute a legal representation or warranty. Due to differences in product formulation and operational conditions, we cannot be responsible for results in the user's plant or product.



HMIS H: 0
F: 0
R: 0
O: None

HILTON DAVIS MATERIAL SAFETY DATA SHEET

Hilton Davis Co.
2235 Langdon Farm Road
Cincinnati, Ohio 45237-4790

Hilton Davis Code No.: 10-25-DA-4203

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Emergency Phone Numbers
(513)841-4889 (513)841-4000 24-Hour Number

Date Prepared: 10-27-94
Date Revised: 5-02-97

IDENTIFICATION

Common Name: (used on label) FD&C Green 3

CAS No.: 2353-45-9

Chemical Name or Trade Name: CI Food Green 3
CI 42053

Product Class: FD&C Color

Molecular Formula: $C_{37}H_{34}N_2Na_2O_{10}S_3$

HAZARDOUS INGREDIENTS

(CAS Reg. No.) None

PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Specific Gravity (H₂O=1): UI

Vapor Density (Air=1): N/A

Solubility in Water: Soluble in water

Reactivity in Water: None known

Appearance and Odor: Dark blue odorless powder

Flash Point: N/A

Extinguishing Media: Waterfog, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus to protect against potential toxic and irritating fumes.

Unusual Fire and Explosion Hazards: Avoid dusting - may form explosive mixture in air.

PHYSICAL HAZARDS

Stability: Unstable
Stable Conditions to Avoid: Extreme heat

Incompatibility: Oxidizing and reducing agents may destroy color.
(Materials to Avoid)

Hazardous Decomposition Products: Burning may release oxides of carbon, sulfur and nitrogen.

Hazardous Polymerization: Will Occur
Will Not Occur

HEALTH HAZARDS

Signs and Symptoms of Exposure: No significant signs or symptoms indicative of any adverse health hazard is expected to occur.

Acute Overexposure: No significant health hazard is expected to result under conditions of normal usage of this material.

Medical Conditions Generally Aggravated by Exposure: UI

Chemical Listed as Carcinogen or Potential Carcinogen: No citation found

OSHA Permissible Exposure Limit: 10 mg/m³ - total dust
5 mg/m³ - respirable dust

ACGIH Threshold Limit Value: Same as OSHA limits

1. Inhalation: Remove patient to fresh air for treatment.
2. Eyes: Flush eyes with plenty of low pressure water. If irritation exists, obtain medical attention.
3. Skin: Remove by wiping, wash skin with soap and water.
4. Ingestion: If large amounts of product are ingested, obtain medical attention.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: An approved dust respirator should be worn.

Ventilation: Sufficient to prevent inhalation of dusts.

Protective Gloves: Recommended

Eye Protection: Safety goggles

Other Protective Clothing or Equipment: N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken
in Handling and Storage: Store in dry area. Protect drums from physical damage.

Other Precautions: Avoid conditions which may generate dusty environment.

Steps to be Taken in Case
Material is Released or Spilled: Moisten slightly with water to reduce dusts. Sweep up spilled material and discard into proper waste container.

Waste Disposal Methods: Dispose of according to federal, state and local regulations.

N/A - Not Applicable UI - Unavailable Information

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