

SAFETY DATA SHEET



Conforms to regulation (EC) no. EU 453/2010

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Fast Green FCF

Product Number: HS-516

1.2 Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Investigational research by professional users

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer

National Diagnostics
305 Patton Drive
Atlanta, GA 30036
(404) 699-2121
(800) 526-3867
info@nationaldiagnostics.com

1.4 Emergency Telephone Number

ChemTel Inc.

Contract number MIS8894340
1-800 255-3924 (United States, Canada, Puerto Rico & US Virgin Islands)
01-800-099-0731 (Mexico)
400-120-0751 (China)
000-800-100-4086 (India)
1-300-954-583 (Australia)
0-800-591-6042 (Brazil)
+1-813-255-3924 (All other regions)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

H341 - Germ Cell Mutagenicity (Category 2)

2.2 Label Elements

GHS LABEL ELEMENTS AND CLASSIFICATION

GHS Label Elements



WARNING

H341 - Suspected of causing genetic defects.
P281 - Use personal protective equipment as required.
P309+P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

2.3 Other Hazards

None found.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Chemical Names/Description

Food Green 3; Aizen Food Green No. 3; Solid Green FCF; 1724 Green

Chemical Formula

$C_{37}H_{34}N_2Na_2O_{10}S_3$

Component List

| Component | % Comp. | CAS # | EC # |
|----------------|---------|-----------|-----------|
| FAST GREEN FCF | > 95 | 2353-45-9 | 219-091-5 |

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Skin

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eyes

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed**Inhalation**

May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Ingestion

Large oral doses may cause irritation to the gastrointestinal tract.

Skin

May cause irritation with redness and pain.

Eyes

May cause irritation, redness and pain.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Unknown/not applicable

SECTION 5 - FIRE FIGHTING MEASURES**5.1 Extinguishing media**

Use media appropriate to the primary cause of fire.

5.2 Special Hazards Arising from the Substance/Mixture**Hazardous Combustion Products**

Highly toxic gases may be involved in fires of this product.

Hazardous Decomposition Products

Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide, sulfur oxides, including sulfur oxide and sulfur dioxide.

Hazardous Polymerization

Will not occur under normal conditions of use (See Sections 10.4 & 10.5).

5.3 Advice for Firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

5.4 Further Information

No data available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions**

Wear appropriate protective equipment as specified in Section 8.

6.2 Environmental Precautions

Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

6.3 Methods and Materials for Containment and Cleaning Up

Use a vacuum cleaner equipped with charcoal exhaust scrubber or hose from mechanical exhaust ventilation system to vacuum spills. If this is not possible, sweep up spills and place in a covered waste disposal container. Flush area with water.

6.4 References to Other Sections

For disposal information, see Section 13. For protective clothing and equipment, see Section 8.

SECTION 7 - HANDLING AND STORAGE**7.1 Precautions for Safe Handling**

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

7.2 Conditions for Safe Storage (including any incompatibles)

Keep in a tightly closed container, stored in a cooled, dry, ventilated area. Protect from physical damage. Isolate from incompatible materials (section 10).

Incompatibles

Oxidizing agents.

7.3 Specific End Uses

Investigational research by professional users

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PRECAUTIONS

8.1 Control Parameters

ACGIH Threshold Limit Value (TLV): 10 mg/m³

OSHA Permissible Exposure Limit (PEL): 15 mg/m³

8.2 Exposure Controls

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Respiratory Protection

For conditions of use where exposure to the dust or mist is apparent, a full-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

Eye Protection

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Skin Protection

Wear protective gloves and clean body covering clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical & Chemical Properties

| | | | |
|--|-------------------|---|--------------------|
| a. Appearance | Dark green powder | b. Odor | Odorless |
| c. Odor Threshold | N.A. | d. pH | N.A. |
| e. Melting/Freezing Point (°C) | 209 C | f. Boiling point (°C) | N.A. |
| g. Flash Point (°C) | N.A. | h. Evaporation Rate | N.A. |
| i. Flammability | N.A. | j. Upper/Lower Flammability or Explosive Limits | N.A. |
| k. Vapor Pressure | N.A. | l. Vapor Density (Air = 1) | N.A. |
| m. Relative Density | N.A. | n. Water Solubility | Soluble |
| o. Partition Coefficient n-octanol/water | N.A. | p. Autoignition Temperature (°C) | N.A. |
| q. Decomposition Temperature (°C) | N.A. | r. Viscosity | No data available. |
| s. Explosive Properties | N.A. | t. Oxidizing Properties | not an oxidizer |

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions of use.

10.2 Chemical Stability

Stable under normal conditions of use and storage.

10.3 Possibility of Hazardous Reactions

Will not occur under normal conditions of use (See Sections 10.4 & 10.5).

10.4 Conditions to Avoid

Incompatible materials, dust generation, excess heat.

10.5 Incompatible Materials

Oxidizing agents.

10.6 Hazardous Decomposition Products

Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide, sulfur oxides, including sulfur oxide and sulfur dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product LD50 Values

Oral Rat LD50 (mg/kg)

2000

Dermal Rabbit LD50 (mg/kg)

N.D.

Component Cancer List Status

| | NTP Carcinogen | | IARC Category |
|----------------|----------------|-------------|---------------|
| | Known | Anticipated | |
| FAST GREEN FCF | No | No | 3 |

Potential Health Effects

Inhalation

The toxicological properties of this material have not been fully investigated.

Ingestion

The toxicological properties of this material have not been fully investigated.

Skin

The toxicological properties of this material have not been fully investigated.

Eyes

The toxicological properties of this material have not been fully investigated.

Carcinogenicity

IARC Group 3 Carcinogen

Mutagenicity

No information available.

Reproductive Toxicity

No information available.

Teratogenic Effects

No information available.

Routes of Entry

Inhalation, ingestion, or skin contact.

Target Organ Statement

No information found.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

| | Vertebrates | Invertebrates | Algae | Microorganisms |
|--|-------------|---------------|---------|----------------|
| Aquatic Toxicity (ppm unless otherwise noted) | No data | No data | No data | No data |
| | Birds | Arthropods | Plants | Microorganisms |
| Terrestrial Environment Toxicity (ppm unless otherwise noted) | No data | No data | No data | No data |

12.2 Persistence and Degradability

No data

12.3 Bioaccumulative Potential

No data

12.4 Mobility in Soil

No data

12.5 Results of PBT and vPvB Assessment

No data

12.6 Other Adverse Effects

None

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

SECTION 14 - TRANSPORT INFORMATION

| | ADR/RID | IATA | IMO | DOT |
|----------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN Number | N.A. | N.A. | N.A. | N.A. |
| 14.2 Shipping Name | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.3 Hazard Class | N.A. | N.A. | N.A. | N.A. |
| 14.4 Packing Group | N.A. | N.A. | N.A. | N.A. |
| 14.5 Environmental Hazards | N.A. | N.A. | N.A. | N.A. |
| 14.6 Special Precautions | N.A. | N.A. | N.A. | N.A. |

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture

United States

TSCA Regulatory Statement

All intentional ingredients are listed on the TSCA Inventory.

SARA 311/312 Hazard Categories

| Component | Fire | Pressure | Reactivity | Acute | Chronic |
|----------------|------|----------|------------|-------|---------|
| FAST GREEN FCF | No | No | No | Yes | No |

Europe

EEC Regulatory

All intentional ingredients are listed on the European EINECS Inventory.

SECTION 16 - OTHER INFORMATION

Revisional Updates

4/26/2019 - Updated Section 1.4

5/29/2015 - Updated Sections 2.1 and 3.1

12/9/2013 - Released Version 1.0

NFPA Codes

Health 1 Flammability 0 Reactivity 0

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