

# Material Safety Data Sheet

(Fast Green FCF, Certified)

## Section 1: Chemical Product and Company Identification

**Product Name:** Fast Green FCF

**Catalog Number:** 15500

**CAS#:** 2353-45-9

**Synonyms:** Food green 3, Aizen food green no. 3; C.I. 42053; FD and C green no. 3; solid green FCF; 1724 green

**Contact Information:**

**Electron Microscopy Sciences**

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1-215-412-8450 (fax)

**Order Online:** [emsdiasum.com](http://emsdiasum.com)

**CHEMTREC (24-Hour Emergency**

**Telephone), call:** 1-800-424-9300

## Section 2: Composition and Information on Ingredients

**Composition:**

CAS#	Chemical Name	Percent	EINECS/ELINICS
2353-45-9	Fast Green FCF	Ca. 100	219-091-5

## Section 3: Hazards Identification

### EMERGENCY OVERVIEW

**CAUTION!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

**Target Organs:** No data found.

**Eye:** May cause skin irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

**Chronic:** No information found.

#### Section 4: First Aid Measures

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin Contact:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2 to 4 cupfuls of milk or water.

**Notes to Physician:** Treat symptomatically and supportively.

#### Section 5: Fire and Explosion Data

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Flash Point:** Not available.

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

#### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

## Section 7 : Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Fast Green FCF	None listed	None listed	None listed

**OSHA Vacated PELs:** Fast Green FCF: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment:

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9: Physical and Chemical Properties

**Physical state:** Solid

**Appearance:** green

**Odor:** odorless

**pH:** not available

**Vapor Pressure:** not available

**Vapor Density:** not available

**Evaporation Rate:** not available

**Viscosity:** not available

**Boiling Point:** not available

**Freezing/Melting Point:** Decomposes

**Decomposition Temperature:** 290°C

**Solubility:** not available

**Specific Gravity/Density:** not available

**Molecular Formula:** C<sub>37</sub>H<sub>36</sub>N<sub>2</sub>O<sub>10</sub>S<sub>3.2</sub>Na

**Molecular Weight:** 810.419

### Section 10: Stability and Reactivity Data

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat.

**Incompatibility with Other Materials:** Oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide, sulfur oxides (Sox), including sulfur oxide and sulfur dioxide.

**Hazardous Polymerization:** will not occur.

### Section 11: Toxicological Information

**CAS# 2353-45-9:** BQ4425000

**LD50/LC50:**

**CAS# 2353-45-9:**

Oral, rat: LD50 = >2 gm/kg; <BR.

**Carcinogenicity:**

CAS# 2353-45-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** no information available.

**Teratogenicity:** no information available.

**Reproductive Effects:** no information available.

**Neurotoxicity:** No information available.

**Mutagenicity:** No information available.

**Other Studies:** See actual entry in RTECS for complete information.

### Section 12: Ecological Information

No information available.

### Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

### Section 14: Transport Information

	USDOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

### Section 15: Other Regulatory Information

#### US FEDERAL

#### TSCA

CAS# 2353-4549 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and Corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

#### SARA Codes

CAS# 2353-45-9: chronic.

Section 313 No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 2353-45-9 can be found on the following state right-to-know lists: California

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**Section 16: Other Information:**

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