

# Safety Data Sheet

## Fast Green FCF, Certified C.I. 42053

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Fast Green FCF, Certified C.I. 42053

**Catalog Numbers:** R-50

**Company Identification:** Transene Company, Inc., DBA ROWLEY BIOCHEMICAL, Inc.  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923

**For information, call:** 978-739-4883

**Emergency Number:** 800-424-9300

**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

#### GHS Classifications

H341-Germ cell mutagenicity: 2

Consists of unknown acute dermal toxicity.

Consists of unknown acute inhalation toxicity.

#### Pictograms or Hazard symbols and Hazard statement(s):



Signal Word: Warning

#### Hazard Statements:

H341-Suspected of causing genetic defects

#### Precautionary Statements:

P201-Obtain special instructions before use.

P202-Do not handle until all safety precautions have been read and understood.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313-If exposed or concerned: Get medical advice/attention.

P405-Store locked up.

P501-Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
2353-45-9	Fast Green FCF	≥85

Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention.

**Oral Exposure:** If swallowed, seek immediate medical advice. Do not induce vomiting. Rinse mouth with water.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

**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 gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use dry chemical, carbon dioxide, dry sand, water spray, or alcohol-resistant foam.

**Hazardous Combustion Products:** Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides, irritating and toxic fumes and gases.

**Flash Point:** Not available

**Autoignition Temperature:** Not available

**Explosion Limits, Lower:** Not available

**Upper:** Not available

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0

## Section 6 - Accidental Release Measures

### **Procedure(s) of Personal Precaution(s):**

Wear personal protective equipment. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Avoid dust formation. Ensure adequate ventilation.

**Methods for Cleaning up:** Carefully sweep up and containerize for proper disposal. Avoid dust generation and accumulation. Do not release to the environment. Do not release to drains.

## Section 7 - Handling and Storage

Use care when handling. Wear personal protective equipment. Wash thoroughly after handling. Use with adequate ventilation. Avoid dust formation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Keep in a tightly closed container. Store in a cool, dry, and well-ventilated place. Keep away from incompatible materials.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### **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.

### **Exposure Limits:**

<b>Chemical Name</b>	<b>ACGIH - TLV</b>	<b>NIOSH - IDLH</b>	<b>OSHA - Final PELs</b>
Fast Green FCF CAS#2353-45-9	Not listed	Not listed	Not listed

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid, powder  
**Appearance:** Dark green  
**Odor:** Odorless  
**Vapor Pressure:** Not available  
**Odor Threshold:** Not available  
**Vapor Density:** Not available  
**pH:** Not available  
**Relative Density:** Not available  
**Melting point/freezing point:** 290°C (554°F)  
**Solubility:** Soluble in water  
**Boiling Point:** Not available  
**Flash Point:** Not available  
**Evaporation Rate:** Not available  
**Flammability (solid, gas):** Not available  
**Partition coefficient: n-octanol/water:** Not available  
**Autoignition Temperature:** Not available  
**Decomposition Temperature:** Not available  
**Viscosity:** Not available  
**Specific Gravity/Density:** Not available

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials and excess heat. Avoid dust generation and accumulation.  
**Incompatibilities with Other Materials:** Oxidizing agents.  
**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides, irritating and toxic fumes and gases.

## Section 11 - Toxicological Information

**CAS#2353-45-9 Fast Green FCF: RTECS#: BQ4425000**

LD50 Oral: >2 g/kg (rat)

LD50 Dermal: Not available

LC50 Inhalation: Not available

Note: Tumorigen, mutagen by RTECS.

**Carcinogenicity:** Fast Green FCF CAS#2353-45-9 is not listed by NTP, ACGIH, OSHA, or California Prop. 65. Fast Green FCF is listed by IARC (Group 3, Not Classifiable as to its Carcinogenicity to Humans).

**Information on the likely routes of exposure:** Routes of entry anticipated: oral, dermal, inhalation, and eye.

**Epidemiology:** Not available.

**Teratogenicity:** Animal experiments have shown teratogenic effects.  
**Reproductive Effects:** Not available.  
**Developmental Effects:** Not available.  
**Neurotoxicity:** Not available.  
**Mutagenicity:** Suspected of causing genetic defects. Positive test, sister chromatid exchange assay, mouse, bone marrow.  
**Specific Organ Toxicity, Single Exposure:** Not available.  
**Specific Organ Toxicity, Repeated Exposure:** Not available.

**Symptoms associated with exposure:** No specific data available.

**The toxicological properties of this material have not been thoroughly investigated.**

Section 12 - Ecological Information

**Ecotoxicity:** Do not release to the environment. Do not release to drains.

**CAS#2353-45-9 Fast Green FCF:**  
ErC50, algae: 62.9 mg/L 72h static (desmodesmus subspicatus)(green algae)

**Persistence and degradability:** Not available.  
**Bio-accumulative potential:** Not available.  
**Mobility:** Will likely be mobile in the environment due to its water solubility.

Section 13 - Disposal Considerations

**DISPOSAL:** Dispose of in accordance with all federal, state, and local regulations.

Section 14 - Transport Information

**DOT**  
Non-Regulated

Section 15 - Regulatory Information

**Canada Regulatory Information**

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

Section 16 - Additional Information
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**SDS Creation Date:** 10-15-12

**Revision #1:** 1-31-14 CF

**Revision #2:** 4-4-22

**Revision #3:** 8-30-23

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