

SPI Supplies Division

Structure Probe, Inc.

P.O. Box 656 West Chester, PA 19381-0656 USA

Phone: 1-(610)-436-5400 Fax: 1-(610)-436-5755

spi3spi@2spi.com

<http://www.2spi.com>

Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: June 24, 2015

02580-AB

SPI-Chem™ Fast Green FCF

Section 1: Identification

Chemical Name/Synonyms..... Fast Green FCF

Chemical family..... Chemical stain

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name..... Fast Green FCR

CAS #'s..... 2353-45-9

Chemical Formula..... $C_{37}H_{34}N_2Na_2O_{10}S_3$

Identified Use: Microscopy laboratory stain

Section 2: Hazard Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Germ cell mutagenicity, category 2

GHS Label Elements:

Pictogram:



Signal Word: Warning

Hazard Statement:

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.

P281 Use personal protective equipment as required.

P308 + P313 If exposed or concerned: Get medical advice/ attention.
P405 Store locked up.
P501 dispose of contents/ container to an approved waste disposal plant.

Hazardous Material Information System USA

Health..... 1
Fire Hazard..... 0
Reactivity..... 0
Personal Protection.....

NFPA Rating (estimated)

Health..... 0
Flammability..... 0
Reactivity..... 0

Section 3: Composition

Fast Green FAF CAS#: 2353-45-9 EC-#: 219-091-5

Section 4: First Aid Measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled:

Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, Consult a physician.

Special treatment needed: No data available.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special hazards arising from the substance or mixture: Oxides of carbon, nitrogen oxides (NO_x), Sulfur oxides, Sodium Oxides.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available.

Section 6: Accidental Release Measures

General Information: Wear chemical safety goggles, face protection, appropriate protective gloves and protective clothing to prevent skin exposure, a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH or European Standard EN 149 (approved or equivalent), and full protective gear.

Spills/Leaks: Do not allow product to enter drains. Sweep up material and place in suitable disposal container. Keep all combustibles away from spilled material. Provide ventilation. Avoid raising dust.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Use adequate ventilation. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin and clothing. Keep from contact with combustible materials. Minimize dust formation and accumulation. Avoid breathing dust.

Storage: Store in tightly closed container in cool, dry, well-ventilated area.

Hygroscopic.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Contains no substances with occupational exposure limit values.

Exposure Controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal Protective Equipment:

Eye/face protection: Safety glasses with side-shields or chemical splash goggles to meet EN166(EU) or NIOSH (US) standards.

Skin protection: Handle with gloves. Inspect gloves prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Impervious clothing, selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.

Control of environmental exposure: Do not let product enter drains.

Section 9: Physical and Chemical Properties

Appearance: solid, dark red

Odor: No data available

Melting point: 290° C (554°F)

Other information: No data available.

Section 11: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: No data available.

Section 11: Toxicological Information

Acute toxicity:

LD50 Oral, rat >2,000 mg/kg

Inhalation: no data available.

Dermal: No data available.

Skin corrosion/irritation: no data available

Serious eye damage / eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity:

Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects.

:

Carcinogenicity – rat – Subcutaneous.

Tumorigenic: Neoplastic by RTECS criteria. Tumorigenic: Tumors at site of application.

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGHI, NTP, or EPA classification.

IARC: 3- Group 3: Not classifiable as to its carcinogenicity to humans.

ACGIH & OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or anticipated carcinogen.

Reproductive toxicity: no data available.

Specific target organ toxicity, single exposure or repeated exposure: No data available

Aspiration hazard: no data available

Additional information: RTECS: BQ4425000

To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.

Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of contaminated packaging in same manner as unused product.

Section 14: Transport Information

DOT (US)

Not dangerous goods.

IATA

Not dangerous goods.

IMDG

Not dangerous goods.

Section 15: Regulatory Information

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with know CAS numbers that exceed the threshold Ode Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

Chronic Health Hazard

State Right To Know:

CAS #2353-45-9 is listed on the PA and NJ Right to Know Lists.

California Prop. 65 Components:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to

customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof, however SPI Supplies and Structure Probe, Inc. make no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assume no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of work place risks as required by other health and safety legislation. Be aware of the Structure Probe, Inc. [Copyright Policy](#). Structure Probe, Inc. grants a nonexclusive license to make unlimited copies of this safety sheet for internal use only. Quite obviously, this information would pertain only to this material when purchased from SPI Supplies as product from other sources, with other ingredients and impurity levels could have substantially different properties.