

SPI Supplies Division

Structure Probe, Inc.

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Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: October 24, 2018

SPI Catalog # 02566-AB

SPI-Chem™ Basic Fuchsin

Section 1.1: Identification

Chemical Name/Synonyms Basic Fuchsin; Rosaniline chloride; Magenta G

Product or Trade Name SPI-Chem™ Basic Fuchsin

CAS #'s 632-99-5

Chemical Formula..... C₂₀H₁₉ClN₃

Section 1.2: Relevant Uses/Restrictions

Laboratory chemical used for staining in the microscopy laboratory.

Section 1.3: Supplier of the Safety Data Sheet

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Section 1.4: Emergency telephone number

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-741-5970

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

Section 2: Hazard Identification

2.1 Classification of the substance

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

Carcinogenicity (category 2)

Acute toxicity (category 4)

2.2 Label elements

Pictogram



Signal Word: Warning

Hazard statements:

- H302 Harmful if swallowed
- H351 Suspected of causing cancer

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
- P301 + P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell
- 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

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

Hazardous Material Information System USA

- Health 2
- Fire Hazard 1
- Reactivity 1
- Personal Protection

NFPA Rating (estimated)

- Health 2
- Flammability..... 1
- Reactivity 1

Section 3: Composition

3.1 Substances:

Basic fuchsin CAS # 632-99-5 EC # 211-189-6 > 90%

Section 4: First Aid Measures

4.1 Description of first aid measures:

Inhalation:

- Supply fresh air.
- If not breathing, provide artificial respiration.
- Keep patient warm.

Seek immediate medical advice.

Skin Contact:

Wash off with soap and plenty of water.
Consult a physician.

Eye Contact:

Rinse opened eye under running water for several minutes.
Then consult a doctor.

Ingestion:

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed:

The most known symptoms and effects are given in Section 2.2 and/or in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
For large fires, use water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

If involved in fire conditions, may release carbon monoxide, carbon dioxide, and Hydrogen chloride (HCl).

5.3 Hazardous combustion products:

Carbon dioxide, Carbon monoxide, Hydrogen chloride (HCl).

5.4 Advice for firefighters:

Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus for fire-fighting if necessary.

Section 6: Accidental Release Measures

6.1 Personal precautions:

Wear protective equipment.
Ensure adequate ventilation.
Keep unprotected persons away.
Avoid dust formation.
Avoid breathing dust, mist, vapors, or gas.

6.2 Environmental precautions:

Do not allow product to reach sewage systems or any water course.

6.3 Methods and material for containment and cleaning up:

Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

For disposal information, see Section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Protective measures:

Keep container tightly sealed.
Store in cool, dry place in tightly closed containers.
Ensure good ventilation in the workplace.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.
Do not store together with acids, strong bases, oxidizing agents, or reducing agents.

7.3 Specific end uses:

Laboratory chemical used for staining in the microscopy laboratory.

This material is not being offered for clinical or diagnostic applications, agricultural uses or for human or animal consumption.

Section 8: Exposure Controls and Personal Protection

8.1 Control parameter and Personal Protection:

Workplace exposure limits:

This product does not contain any substances with occupational exposure limit values.

Biological limit values: No data available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Properly operating chemical fume hood designed for hazardous chemicals and having a average face velocity of at least 100 feet per minute.

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

8.2.2 Individual protection measures:

Eye/face protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with impervious gloves. Inspect gloves prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Suggested glove material: Nitrile rubber, 0.11 mm thickness, 480 minute break through time.

Body protection: Protective work clothing.

Respiratory protection: Use suitable respirator when high concentrations are present.

8.2.3 Environmental exposure controls:

Prevent further leakage or spillage if safe to do so.
Do not let product enter drains or water courses.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance: Dark green powder

Odor: No data available

Odor threshold: No data available

pH: 5-6 @ 1 g/l

Melting point/Freezing point: 250 °C (482 °F)

Boiling point/Boiling point range: No data available

Flash Point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor Pressure: No data available

Vapor density: No data available

Relative density: No data available

Solubility in water: 4 g/l @ 25 °C (77 °F)

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing Properties: No data available

9.2 Other information: No further relevant information available.

Section 10: Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Chemical Stability: Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions: Reacts with strong oxidizing agents.

10.4 Conditions to avoid: Direct sunlight. Heat. Humidity.

10.5 Incompatible materials: Strong acids. Strong bases. Strong oxidizing agents.

10.6 Hazardous decomposition products: In combustion emits toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride gas.

Section 11: Toxicological Information

Information on the likely routes of exposure:

11.1 Information on toxicological effects:

A. Acute toxicity:

Harmful if swallowed.
No LD/LC50 data available.

B. Skin corrosion/irritation:

May cause irritation.

C. Serious eye damage/irritation:

May cause irritation.

D. Respiratory or skin sensitization:

No sensitizing effects known.

E. Germ cell mutagenicity:

RTECS # CX9850000

Mutagen in microorganisms: Bacteria – Salmonella typhimurim dose: 32 ug/plate

F. Carcinogenicity:

IARC: Group 2B: Possibly carcinogenic to humans (Basic Fuchsin).

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

G. Reproductive toxicity: No data available.

H. STOT-single exposure: No data available.

I. STOT-repeated exposure: No data available.

J. Aspiration hazard: No data available.

Section 12: Ecological Information

12.1 Toxicity: No data available.

12.2 Persistence and degradability: No data available.

12.3 Bio-accumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: Not applicable.

12.6 Other adverse effects: No data available.

Section 13: Disposal Considerations

13.1 Waste treatment methods:

Arranges for collection by an approved waste disposal company. Consult local, state, and national regulations to ensure proper disposal.

Disposal of packaging must be according to official regulations.

Section 14: Transport Information

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture:

U.S. Government Regulations:

TSCA Active Inventory List:

CAS # 632-99-5 is listed.

SARA 302 Components:

This material does not contain any components with a Section 302 EHS TPQ.

SARA 313 Components:

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

SARA 311/312 Hazards:

Chronic Health Hazard

U.S. State Regulations:

Massachusetts Right to Know Components:

No components are listed.

Pennsylvania Right to Know Components:

Basic Fuchsin CAS # 632-99-5 is listed.

New Jersey Right to Know Components:

No components are listed.

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.

CANADA

All components of this product are listed on the Canadian Domestic Substances List (DSL).

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

Date of Preparation: 24 October 2018.

Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

CMRG: Chemical Manufacturer's Recommended Guidelines

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulative and Toxicological
vPvB: very Persistent and very Bio-accumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety Health
ATE: Acute Toxicity Estimates
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
STEL: Short Term Exposure Limit
CEIL: Ceiling
TSCA: Toxic Substances Control Act (USA)
DSL: Domestic Substances List (Canada)
PICCS: Philippine Inventory of Chemicals and Chemical Substances
ENCS: Existing and New Chemical Substances (Japan)
AICS: Australian Inventory of Chemical Substances
IECSC: Inventory of Existing Chemical Substances in China
KECL: Korea Existing Chemicals List

Section 16: Other Information

Disclaimer of Liability:

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