

SPI Supplies Division

Structure Probe, Inc.

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Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: July 19, 2017

SPI Catalog # 02561-AB

SPI-Chem™ Acid Fuchsine

Section 1.1: Identification

Chemical Name/Synonyms Acid Fuchsine; Acid violet 19; Acid magenta; C.I. 42685

Product or Trade Name SPI-Chem™ Acid Fuchsine

CAS #'s 3244-88-0

Chemical Formula..... $C_{20}H_{17}N_3Na_2O_9S_3$

Section 1.2: Relevant Uses/Restrictions

Chemical stain for 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)

Causes skin irritation (Category 2)

Causes serious eye irritation (Category 2)

STOT SE (Category 3)(inhalation)

2.2 Label elements

Pictogram:



Signal word: Warning

Hazard statements:

- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

Precautionary statements:

- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
- P264 Wash hands thoroughly after handling
- P271 Use only outdoors or in a well-ventilated area
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER / doctor if you feel unwell
- P332 + P313 If skin irritation occurs: Get medical advice/ attention
- P337 + P313 If eye irritation persists: Get medical advice/ attention
- P362 Take off contaminated clothing
- P402 + P233 Store in a well-ventilated place. Keep container tightly closed
- P405 Store locked up
- P501 Dispose of contents/ container to hazardous waste

2.3 Other Hazards: none

Hazardous Material Information System USA

Health 0
Fire Hazard 0
Reactivity 0
Personal Protection

NFPA Rating (estimated)

Health 0
Flammability 0
Reactivity 0

Section 3: Composition

3.1 Substance:

Name: Acid Fuchsin

CAS #: 3244-88-0

EC #: 221-816-5

Chemical Formula: $C_{20}H_{17}N_3Na_2O_9S_3$

Molecular Weight: 586.54 g/mol

Section 4: First Aid Measures

4.1 Description of first aid measures:

Inhalation

If breathed in, move person into fresh air.
If not breathing, give artificial respiration.
Seek medical attention.

Skin Contact

Remove all contaminated clothes and footwear immediately, unless stuck to skin.
Wash off with soap and plenty of water.

Eye Contact

Flush eyes with water for 15 minutes as a precaution.

Ingestion

Never give anything by mouth to an unconscious person.
Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see Section 2.2) or in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Fire Fighting Measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

In combustion emits toxic fumes.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.
Wear protective clothing to prevent contact with skin and eyes.

5.4 Further information

No data available.

Section 6: Accidental Release Measures

6.1 Personal precautions

Avoid dust formation.
Avoid breathing vapors, mist or gas.
For personal protection, see Section 8.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel.

Keep in suitable, closed, labeled containers for disposal.

6.4 Reference to other sections

See Section 13 for disposal.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid direct contact with the substance.

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see Section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, and well-ventilated place.

Keep in a dry place.

Keep container tightly closed.

Store only in original packaging.

7.3 Specific end uses

Chemical stain for 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 – Contains no substances with occupational exposure limit values.

Biological limit values - No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

General industrial hygiene practice.

Insure adequate ventilation.

Eye wash station must be available to the work area.

8.2.2 Individual protection measures

Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) 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. Recommended glove material: Nitrile rubber, 0.11 mm thickness, break through time 480 min.

Body protection:

Choose protective clothing in relation to the type, the concentration and the amount of dangerous substances, and to the specific work-place.

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.2.3 Environmental exposure controls

No special environmental precautions required.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Blue-purple powder

Odor: Perceptible odor

Odor threshold: No data available

pH: No data available

Melting point/Freezing point: No data available

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: Slightly soluble

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: Non-oxidizing (by EC criteria)

9.2 Other information: No data 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: No data available.

10.4 Conditions to avoid: Heat.

10.5 Incompatible materials: Strong oxidizing agents. Strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions:

Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides.

Other decomposition products: No data available.

In the event of fire, see Section 5.

Section 11: Toxicological Information

Information on the likely routes of exposure

11.1 Information on toxicological effects

A. Acute toxicity: No data available.

B. Skin corrosion/irritation:

 Dermal: Hazardous: calculated.

 There may be irritation and redness at the site of contact.

 Ingestion: There may be soreness and redness of the mouth and throat.

C. Serious eye damage/irritation:

 Optical: Hazardous: calculated.

 There may be irritation and redness. The eyes may water profusely.

D. Respiratory or skin sensitization: No data available.

E. Germ cell mutagenicity: No data available.

F. Carcinogenicity:

 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

 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 identified as a carcinogen or potential carcinogen by OSHA.

G. Reproductive toxicity: No data available.

H. STOT-single exposure:

 Inhalation: Hazardous: calculated

 There may be irritation of the throat with a feeling of tightness in the chest.

 Exposure may cause coughing or wheezing.

I. STOT-repeated exposure: No data available.

J. Aspiration hazard: No data available.

Additional information:

RTECS: DD4737000

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

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:

Mobility: Soluble in water.

12.5 Results of PBT and vPvB assessment:

PBT / vPvB assessment not available as chemical safety assessment not required/ not conducted.

12.6 Other adverse effects: No data available.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Section 15: Regulatory Information

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

US Government Regulations

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 known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No SARA Hazards.

US State Regulations

Massachusetts Right to Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components:

3-(1-(4-Amino-3-methyl-5-sulphonatophenyl)-1-(4-amino-3-sulphonatophenyl)methylene)cyclohexa-1,4-dienesulphonic acid CAS No. 3244-88-0

New Jersey Right to Know Components:

3-(1-(4-Amino-3-methyl-5-sulphonatophenyl)-1-(4-amino-3-sulphonatophenyl)methylene)cyclohexa-1,4-dienesulphonic acid CAS No. 3244-88-0

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.

Other information:

Label elements under CHIP:

Hazard symbols: Irritant



Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases: S22: Do not breathe dust

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S60: This material and its container must be disposed of as hazardous waste.

15.2 Chemical Safety Assessment: Chemical safety assessment not required/ not conducted.

Date of Preparation: 19 July 2017

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

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

STEL: Short Term Exposure Limit

CEIL: Ceiling

Section 16: Other Information

Disclaimer of Liability:

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