

Material Safety Data Sheet

BASIC FUCHSIN, 0.1%, IN 95% METHANOL

Section 1 - Chemical Product and Company Identification

MSDS Name: Basic Fuchsin, 0.1%, in 95% methanol

Catalog Numbers: A-108-3, SO-302

Company Identification: ROWLEY BIOCHEMICAL
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

Health Hazards

H303 **Acute Oral Toxicity:** 5
H313 **Acute Dermal Toxicity:** 5
H333 **Acute Inhalation Toxicity:** 5
H316 **Skin Corrosion/ Skin Irritation:** 3
H320 **Eye Damage/ Irritation:** 2B
H334 **Respiratory Sensitization:** 1B
H317 **Skin dermal Sensitization:** 1B
H341 **Germ Cell Mutagenicity:** 2
H351 **Carcinogenicity:** 2
H373 **Specific Target Organ Toxicity:** 2

Physical Hazards

H225 **Flammability:** 2

Environmental Hazards

Acute Aquatic Environmental Hazards: Not Classified

Chronic Environmental Hazards: Not Classified

Pictograms or Hazard Symbols and Hazard Statement

Warning! May be harmful if swallowed May be Harmful in contact with skin May be harmful if inhaled

Warning! Causes mild skin irritation Causes eye irritation



Danger! Highly flammable liquid and vapour.



Warning! May cause an allergic skin reaction



Danger! May cause allergy or asthma symptoms or breathing difficulties if inhaled. Warning! Suspected of causing genetic defects. Mutagenic for mammalian somatic cells. Suspected of causing cancer. May cause damage to the following organs: blood, brain, liver, central nervous system (CNS), upper respiratory tract, optic nerve, spleen and thyroid through repeated or prolonged exposure.

Precautionary Statement Prevention

H303 + H313

P312 Call a physician if you feel unwell.

H333

P304 + P312 If inhaled, call a physician if you feel unwell

H316

P264 Wash thoroughly after handling.

P280 Wear protective gloves, clothing, and eye and face protection.

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P332 + P313 If skin irritation occurs, get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

H320

P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.

P337 + P313 If eye irritation persists, get medical advice/attention.

H334

P261 Avoid breathing fumes/mist/vapors

P285 In case of inadequate ventilation, wear respiratory protection.

P304 + P341 IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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

H317

P272 Contaminated work clothing should not be allowed out of the work place.

P333 + P313 If skin irritation occurs, get medical advice/attention.

P363 Wash contaminated clothing before reuse.

H341 + H351

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

H373

P260 Do not breathe fume/gas/mist/vapors.

P314 Get medical advice/attention if you feel unwell.

H225

P210 Keep away from heat, flames, and hot surfaces. No smoking.

P233 Keep container tightly closed.

P241 Use explosive-proof equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.

P403 + P235 Store in a well-ventilated place. Keep cool.

DANGER! Flammable liquid and vapor. Keep away from heat, flame and sparks.

WARNING! May be harmful if swallowed May be Harmful in contact with skin

Causes mild skin irritation Causes eye irritation May cause an allergic skin reaction. Danger! May cause allergic reaction or breathing difficulties if inhaled. Avoid contact with skin, eyes and clothing. Do not breathe vapors; use with adequate ventilation. Basic Fuchsin is a **CANCER SUSPECT AGENT!** Avoid all routes of exposure.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
632-99-5	Basic Fuchsin	0.1w/v
67-56-1	Methanol	95%v/v
7732-18-5	Water	5 v/v

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. Call a physician.

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

Oral Exposure: If Swallowing seek immediate medical advice.

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

Section 5 - Fire Fighting Measures

NFPA HEALTH 1 FLAMMABILITY 3 REACTIVITY 0

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

Auto ignition Temperature: N/A

Explosion Limits: N/A

Upper: N/A

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Mechanical exhaust

Personal Protective Equipment:

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9 - Physical and Chemical Properties
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Physical State: Liquid

Appearance: Fuchsin

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Decomposition Temperature: N/A

Solubility: Soluble.

Specific Gravity/Density: N/A

Section 10 - Stability and Reactivity

Chemical Stability: Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

Hazardous Decomposition Products: May form carbon dioxide, carbon monoxide, and formaldehyde when heated to decomposition

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastics, rubber, and coatings. May react with metallic aluminum and generate hydrogen gas.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

Section 11 - Toxicological Information
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RTECS: CX9850100: CAS# 569-61-9 Basic Fuchsin: Oral (LD50): Acute: 5000mg/kg [Mouse]

LC50: None Listed: ; investigated as a mutagen

CAS# 67-56-1 Methyl Alcohol

Oral (LD50): Acute: 5628 mg/kg [Rat]. Dermal (LD50): Acute: 15800 mg/kg [Rabbit].

Vapor (LC50): Acute: 64000 ppm 4 hours [Rat]

Carcinogenicity:

CAS# 569-61-9: Basic Fuchsin: Not listed by ACGIH, NTP or CA Prop 65.
Classified group 2B carcinogen by IARC

Routes of exposure: Multiple routes: May cause irritation, May be harmful by ingestion, or skin absorption. . Basic Fuchsin is a cancer suspect Agent.

Section 12 - Ecological Information

CAS# 569-61-9: Basic Fuchsin: Not Available
CAS#67-56-1 Methyl Alcohol: Ecotoxicity in water (LC50): 29400 mg/l 96 hours [Fathead Minnow].

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products are less toxic than the product itself.

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: METHANOL
Hazard Class: 3
UN/NA: UN1230
Packing Group: II

International (Water, I.M.O.)

Proper Shipping Name: METHANOL
Hazard Class: 3, 6.1
UN/NA: UN1230

Packing Group: II

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 MSDS contains all the information required by the CPR.

European/International Regulations

European Labeling in Accordance with EC Directives

Risk Phrases:

- R11 Highly flammable
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
- R36/38 Irritating to eyes and skin
- R45 May cause cancer
- R42/43 May cause sensitization by inhalation and skin contact
- R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

Safety Phrases:

- S3/7/9 Keep container closed in a cool, well-ventilated place
- S24/25 Avoid contact with skin and eyes
- S20/21 When using do not eat, drink or smoke
- S2 Keep out of the reach of children.
- S16 Keep away from sources of ignition - No smoking
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28 After contact with skin, wash immediately with plenty of soap and water
- S33 Take precautionary measures against static discharges
- S37/39 Wear suitable gloves and eye/face protection
- R42/43 May cause sensitization by inhalation and skin contact

Section 16 - Additional Information

MSDS Creation Date: 1/8/2010

Revision #1 10/10/13 MH

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