

Material Safety Data Sheet

(11260)

Section 1: Chemical Product and Company Identification

Product Name: Basic Fuchsin, Cert. C.I. 42510

Catalog Number: 11260

CAS#: 632-99-5

Contact Information:

Electron Microscopy Sciences

1560 Industry Road

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Order Online: emsdiasum.com

CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300

Section 2: Composition and Information on Ingredients

CAS #	Chemical Name	Percent	Hazardous
632-99-5	Basic Fuchsin	100	No

Section 3: Hazards Identification

Emergency Overview

Appearance: Dark Green crystalline powder

Caution! Potential cancer hazard. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May cause cancer based on animal studies. Methemoglobin forming agent.

Target Organs: No data found

Potential Health Effects

Eye: May cause irritation. The toxicological properties of this material have not been fully investigated.

Skin: May cause skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Section 4: First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing becomes difficult give oxygen. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Get medical attention. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Section 5: Fire and Explosion Data

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 and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Use agent most appropriate to extinguish fire.

Flash Point: N/A

Auto ignition Temperature: N/A

Explosion Limits, Lower: N/A

Upper: N/A

NFPA Rating: (estimated) Health 1, Flammability: 0, Instability: 0

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Basic Violet 14, Rosaniline (Basic Fuchsin)	None listed	None listed	None listed

OSHA Vacated PELs: Basic Violet 14, Rosaniline: No OSHA Vacated PELs are listed for this chemical.

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.

Section 9: Physical and Chemical Properties

Physical State: Crystalline powder

Appearance: Dark green

Odor: N/A

pH: 5-2 to 6-2

Vapor Pressure: Negligible

Vapor Density : Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Decomposes

Freezing/Melting Point: 268-270 Deg. C

Decomposition Temperature: Not available

Solubility: Soluble in water

Specific Gravity: Not available

Molecular Formula: C₂₀H₂₀ClN₃

Molecular Weight: 337.86

Section 10: Stability and Reactivity Data

Chemical Stability: Stable under normal temperature and pressures.

Hazardous decomposition products: May form carbon dioxides, nitrogen oxides, and sulfur oxides when heated to decomposition.

Hazardous Polymerization: will not occur

Incompatibles with Other Materials: Oxidizing agents

Conditions to Avoid: Incompatible materials, dust generation, excess heat and strong oxidants.

Section 11: Toxicological Information

RTECS#:

CAS # 632-99-5 CX 9850100

LD50/LC50: Oral, mouse: LD50=5 gm/kg

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65

Epidermiology: No information available

Teratogenicity: No information available

Reproductive Effects: No information available

Neurotoxicity: No information available

Mutagenicity: No information available

Other Studies: See actual entry in RTECS for complete information

Section 12: Ecological Information

No information available.

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed

RCRA U-Series: None listed

Section 14: Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available
Hazard Class:		
UN Number:		
Packing Group:		

Section 15: Other Regulatory Information

US Federal

TSCA: Not listed on the TSCA inventory

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA 313: No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants
This material does not contain in Class 1 Ozone depletors
This material does not contain any Class 2 Ozone depletors

Clean Water Act

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

State: CAS# 632-99-5 is not present on state lists from CA, PA, MN, FL, or NJ

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XC

Risk Phases: R 40 Limited evidence of a carcinogenic effect.

Safety Phases:

S 36/37 Wear suitable protective clothing and gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S 28A After contact with skin, wash immediately with plenty of water

WGK (Water Danger/Protection)

CAS # 632-99-5: No information available

Canada – DSL/NDSL

CAS # 632-99-5 listed on Canada’s DSL List

Canada – WHMIS

No information available

Canadian Ingredient Disclosure List

CAS # 632-99-5 is listed on the Canadian Ingredient Disclosure List

Section 16: Other Information:

MSDS Creation Date: 10/07/09

Last Updated: 10/4/11

Date Verified and Printed: 10/4/11

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