



Material Safety Data Sheet

NFPA 	HMIS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00FFFF;">Health Hazard</td> <td style="text-align: center; border: 1px solid black;">2</td> </tr> <tr> <td style="background-color: #FFCCCC;">Fire Hazard</td> <td style="text-align: center; border: 1px solid black;">1</td> </tr> <tr> <td style="background-color: #FFFF00;">Reactivity</td> <td style="text-align: center; border: 1px solid black;">0</td> </tr> </table>	Health Hazard	2	Fire Hazard	1	Reactivity	0	Personal Protective Equipment  See Section 15.
Health Hazard	2							
Fire Hazard	1							
Reactivity	0							

Section 1. Chemical Product and Company Identification		Page Number: 1
Common Name/Trade Name	Basic fuchsin	Catalog Number(s). BA130
		CAS# 569-61-9
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	RTECS CX9850100
		TSCA TSCA 8(b) inventory: Basic fuchsin
Commercial Name(s)	C.I. 42500, C.I. Basic Red 9 monohydrochloride; Paramagenta, Basic Red 9, C.I. Basic Red 9 hydrochloride, Basic Parafuchsine, Basic Rubine, Pararosaniline	CI# 42500
Synonym	4,4'((4-imino-2,5-cyclohexadien-1-ylidene)methylene)dianiline monhydrochloride; Pararosaniline Chloride; Pararosaniline Hydrochloride; p-Fuchsin	<u>IN CASE OF EMERGENCY</u> <u>CHEMTREC (24hr) 800-424-9300</u> CALL (310) 516-8000
Chemical Name	Benzenamine, 4-((4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl), monhydrochloride	
Chemical Family	Not available.	
Chemical Formula	C19-H18-CIN3 or C19-H17-N3.HCl	
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	

Section 2. Composition and Information on Ingredients					
Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	
1) Basic fuchsin	569-61-9				100

Toxicological Data on Ingredients	Basic fuchsin: ORAL (LD50): Acute: 5000 mg/kg [Mouse].
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Section 3. Hazards Identification	
Potential Acute Health Effects	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Classified 1 (Clear evidence. Reasonably anticipated to be a human carcinogen.) by NTP, + (Proven.) by OSHA. Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, liver, spleen, thyroid. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation	Not available.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...), halogenated compounds.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.
Explosion Hazards in Presence of Various Substances	Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	As with most organic solids, fire is possible at elevated temperatures. When heated to decomposition it emits very toxic fumes of hydrogen chloride and nitrogen oxides.
Special Remarks on Explosion Hazards	Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid. (crystalline powder.)	Odor	Odorless.
Molecular Weight	323.83 g/mole	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Green. (Dark.)
Boiling Point	Not available.		
Melting Point	Decomposition temperature: 268°C (514.4°F) - 270 C.		
Critical Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	The product is more soluble in water; log(oil/water) = -0.2		
Ionicity (in Water)	Cationic.		
Dispersion Properties	Not available.		
Solubility	Very slightly soluble in cold water, diethyl ether. Soluble in alcohol. Solubility in water: 2-3 mg/ml water. Solubility in ethanol: 2-25 mg/ml ethanol.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Excess heat, dust generation, incompatible materials
Incompatibility with various substances	Reactive with oxidizing agents, reducing agents, acids.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Aniline is incompatible with acetic anhydride, chlorosulfonic acid, hexachlormelamine, nitric acid, nitric acid + nitrogen tetroxide and sulfuric acid, nitrobenzene and glycerin, oleulm, ozone, perchloric acid + formaldehyde, perchromates, performic acid, trichloromelamine, anilinium chloride, benzenediazonium-2-carboxylate, boron trichloride, 1-chloro-2,3-epoxypropane, dibenzoyl peroxide, nitromethane, nitrous acid, and tetranitromethane. Destroyed by strong oxidizing agents. Readily reduced to leuco-bases with a variety of reducing agents sensitive to photochemical oxidation.
Special Remarks on Corrosivity	Not available.

Continued on Next Page

Polymerization Will not occur.

Section 11. Toxicological Information

Routes of Entry Inhalation. Ingestion.

Toxicity to Animals Acute oral toxicity (LD50): 5000 mg/kg [Mouse].

Chronic Effects on Humans **CARCINOGENIC EFFECTS:** Classified 1 (Clear evidence. Reasonably anticipated to be a human carcinogen.) by NTP, + (Proven.) by OSHA. Classified 2B (Possible for human.) by IARC.
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: blood, liver, spleen, thyroid.R68-

Other Toxic Effects on Humans Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals Not available.

Special Remarks on Chronic Effects on Humans May affect genetic material (mutagenic).
May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans Potential Health Effects:
Skin: May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.
Eyes: Causes eye irritation. May cause eye injury.
Inhalation: May cause respiratory tract irritation.
Ingestion: Causes gastrointestinal tract irritation with colicky pain, nausea, vomiting and diarrhea, dryness of the throat. May affect respiration and cause cyanosis.
Exposure from inhalation or ingestion may cause methemoglobinemia and cyanosis. Symptoms of methemoglobinemia may include: grayish/bluish coloring of the skin, which may also appear with out signs of cardiac or pulmonary insufficiency, navy blue to black mucous membranes, dyspnea, shortness of breath, central nervous system effects - headache, dizziness, lethargy, ataxia, vertigo, muscle contraction or spasticity, weakness, faintness, disorientation, confusion, tinnitus, drowsiness, convulsions, tremor, seizures, paresthesias, muscle pain, coma-, cardiovascular system effects - heart blocks, and arrhythmias, tachycardia, vascular dystonia, cardiovascular collapse-, sluggish pupillary reaction, weakness of vision, photophobia. It may also affect the urinary system (oliguria, renal insufficiency, kidney damage, hemoglobinuria, painful micturition, hematuria, methemoglobinuria), liver, metabolism (weight loss), blood (anemia, chocolate colored blood), spleen, thyroid, pituitary gland.
Chronic Potential Health Effects:
Ingestion: Prolonged or repeated ingestion may affect the thyroid gland, and pituitary gland.
Skin: Prolonged or repeated skin contact may cause skin sensitization, an allergic reaction.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

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 of degradation are more toxic than the product itself.

Special Remarks on the Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

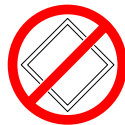
Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for Transport Not applicable.

DOT (Pictograms)



Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Basic fuchsin (listed as C.I. Basic Red 9 monohydrochloride)
 California prop. 65 (no significant risk level): Basic fuchsin: 0.003 mg/day (value)
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Basic fuchsin (listed as C.I. Basic Red 9 monohydrochloride)
 Minnesota: Basic fuchsin
 Massachusetts RTK: Basic fuchsin
 New Jersey Right to Know Hazardous Substance: Basic Fuchsin
 TSCA 8(b) inventory: Basic fuchsin

California Proposition 65 Warnings California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Basic fuchsin (listed as C.I. Basic Red 9 monohydrochloride)
 California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
 EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 209-321-2).
 Canada: Listed on Canadian Domestic Substance List (DSL).
 China: Listed on National Inventory.
 Japan: Listed on National Inventory (ENCS).
 Korea: Not listed on National Inventory (KECI).
 Philippines: Listed on National Inventory (PICCS).
 Australia: Not listed on AICS.

Other Classifications	WHMIS (Canada) CLASS D-2A: Material causing other toxic effects (VERY TOXIC).	
	<table border="0"> <tr> <td>DSCL (EEC) R45- May cause cancer.</td> <td>S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53- Avoid exposure - obtain special instructions before use.</td> </tr> </table>	DSCL (EEC) R45- May cause cancer.
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HMIS (U.S.A.)	Health Hazard 2	National Fire Protection Association (U.S.A.)	Health		Flammability	
	Fire Hazard 1					Reactivity
	Reactivity 0					
	Personal Protection E					

WHMIS (Canada) (Pictograms)

DSCL (Europe)
(Pictograms)



TDG (Canada)
(Pictograms)



ADR (Europe)
(Pictograms)



Protective Equipment



Gloves.



Lab coat.



Dust respirator. Be sure to use an approved/certified respirator or equivalent.



Splash goggles.

Section 16. Other Information

MSDS Code B3160

References Not available.

Other Special Considerations Major Uses: a dye for textiles (silks, and acrylics), leather, and paper; component of magenta (fuchsin) dye; biological stain

Validated by Sonia Owen on 8/6/2013.

Verified by Sonia Owen.

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CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.