



Material Safety Data Sheet

NFPA 	HMIS <table border="1" style="margin: auto;"> <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, Special	Catalog Number(s). BA133 CAS# 58969-01-0 RTECS Not available. TSCA TSCA 8(b) inventory: Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9) CI# Not available.
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	<u>IN CASE OF EMERGENCY</u> <u>CHEMTREC (24hr) 800-424-9300</u> CALL (310) 516-8000
Commercial Name(s)	Not available.	
Synonym	Basic Fuchsin; Basic Fuchsin. Special, for staining flagella. It is a mixture of 3 parts Pararosaniline Acetate and part Pararosaniline Hydrochloride (Basic Fuchsin)	
Chemical Name	Not available.	
Chemical Family	Not available.	
Chemical Formula	Not available.	
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) Pararosaniline Acetate					75
2) Basic fuchsin	569-61-9				25
Toxicological Data on Ingredients Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9): ORAL (LD50): Acute: 5000 mg/kg [Mouse].					

Section 3. Hazards Identification	
Potential Acute Health Effects	Hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).
Potential Chronic Health Effects	Slightly hazardous in case of skin contact (sensitizer), of ingestion. CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC [Basic fuchsin, Special]. Classified 2 (Some evidence.) by NTP [Basic fuchsin, Special]. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. [Basic fuchsin, Special]. Mutagenic for bacteria and/or yeast. [Basic fuchsin, Special]. 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	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
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	Not available.
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	Not available.	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Green. (Dark.)
Boiling Point	Not available.		
Melting Point	205°C (401°F)		
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.	Not available.		
Ionicity (in Water)	Cationic.		
Dispersion Properties	Not available.		
Solubility	Not available.		

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, oleum, 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.
Polymerization	Will not occur.

Continued on Next Page

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Dermal contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 5000 mg/kg [Mouse]. (Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9))
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC [Basic fuchsin, Special]. Classified 2 (Some evidence.) by NTP [Basic fuchsin, Special]. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. [Basic fuchsin, Special]. Mutagenic for bacteria and/or yeast. [Basic fuchsin, Special]. May cause damage to the following organs: blood, liver, spleen, thyroid.
Other Toxic Effects on Humans	Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	May affect genetic material (mutagenic). May cause cancer.
Special Remarks on other Toxic Effects on Humans	Potential Health Effects: Skin: May cause skin irritation. It may be absorbed through the skin in harmful amounts. Effects from skin absorption may be similar to that of inhalation and ingestion. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: May cause eye irritation and 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 skin absorption, 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.

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	Not available.
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: Pararosaniline hydrochloride or 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 cancer which would require a warning under the statute: Pararosaniline hydrochloride or Basic Fuchsin (listed as C.I. Basic Red 9 monohydrochloride)
 Florida: Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9)
 Minnesota: Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9)
 Massachusetts RTK: Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9)
 Massachusetts spill list: Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9)
 TSCA 8(b) inventory: Basic fuchsin or Pararosaniline hydrochloride (CAS no. 569-61-9)

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: Pararosaniline hydrochloride or Basic Fuchsin (listed as C.I. Basic Red 9 monohydrochloride)

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications	WHMIS (Canada)	CLASS D-2A: Material causing other toxic effects (VERY TOXIC). Class D-2B: Material causing other toxic effects (TOXIC).	
	DSCL (EEC)	R40- Limited evidence of carcinogenic effects	S36/37- Wear suitable protective clothing and gloves. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.)	Health Hazard	2	National Fire Protection Association (U.S.A.)		Flammability
	Fire Hazard	1			Health
	Reactivity	0			Reactivity
	Personal Protection	E			Specific hazard

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. Wear appropriate respirator when ventilation is inadequate.



Splash goggles.

Section 16. Other Information

MSDS Code B3165

References Not available.

Other Special Considerations Not available.

Validated by Sonia Owen on 8/24/2009.

Verified by Sonia Owen.

Printed 8/24/2009.

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.