

MATERIAL SAFETY DATA SHEET (MSDS)

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Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Phloxine B
Manufacturer EM Science
A Division of EM Industries
P.O. Box 70
480 Democrat Road
Gibbstown, N.J. 08027

Product Code B34064
Effective Date 10/29/2001

For More Information Call
856-423-6300 Technical Service
Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call
800-424-9300 CHEMTREC (USA)
613-996-6666 CANUTEC (Canada)
24 Hours/Day: 7 Days/Week

Synonym ACID RED 92
Material Uses Analytical reagent.
Chemical Family Dye.

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
PHLOXINE B	18472-87-2	100

Section 3. Hazards Identification

Physical State and Appearance Solid. (Powder.)

Emergency Overview WARNING!
HARMFUL IF SWALLOWED.

Routes of Entry Inhalation. Ingestion.

Potential Acute Health Effects

Eyes No known acute effects of this product resulting from eye contact.

Skin No known acute effects of this product resulting from skin contact.

Inhalation No known acute effects of this product resulting from inhalation.

Ingestion Hazardous in case of ingestion.

Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.
Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

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. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion If swallowed, 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 immediately.

Section 5. Fire Fighting Measures

Flammability of the Product May be combustible at high temperature.

Auto-ignition	Not available.
Temperature	
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. Some metallic oxides.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: No.
Fire Fighting Media and Instructions	Risks of explosion of the product in presence of mechanical impact: No.
Protective Clothing (Fire)	SMALL FIRE: Use DRY chemical powder.
Special Remarks on Fire Hazards	LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Explosion Hazards	Be sure to use an approved/certified respirator or equivalent.
	Not available.
	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Spill Kit Information	No specific spill kit required for this product.

Section 7. Handling and Storage

Handling	Do not ingest. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.
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.
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Personal Protection

Eyes Safety glasses.

Body Lab coat.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Not applicable.

Feet Not applicable.

Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
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Product Name

PHLOXINE B

Exposure Limits

Not available.

Section 9. Physical and Chemical Properties

Odor	Not available.
Color	Red. Orange.
Physical State and Appearance	Solid. (Powder.)
Molecular Weight	829.64 g/mole
Molecular Formula	C ₂₀ H ₂ Br ₄ Cl ₄ O ₅ . 2Na
pH	Not available.
Boiling/Condensation Point	Not available.
Melting/Freezing Point	Not available.
Specific Gravity	Not available.

Vapor Pressure	Not available.
Vapor Density	Not available.
Odor Threshold	Not available.
Evaporation Rate	Not available.
LogKow	Not available.
Solubility	Soluble in water.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Not available.
Rem/Incompatibility Hazardous	These products are halogenated compounds.
Decomposition Products Hazardous	Will not occur.
Polymerization	

Section 11. Toxicological Information

RTECS Number:	Phloxine B	LM5900000
Toxicity	Acute oral toxicity (LD50): 310 mg/kg [Mouse].	
Chronic Effects on Humans	Not available.	
Acute Effects on Humans	Hazardous in case of ingestion.	
Synergetic Products (Toxicologically)	Not available.	
Irritancy	Draize Test: Not available.	
Sensitization	Not available.	
Carcinogenic Effects	This material is not known to cause cancer in animals or humans.	
Toxicity to Reproductive System	Tests on laboratory animals for reproductive effects are cited in Registry of Toxic Effects on Chemical Substances (RTECS).	
Teratogenic Effects	Not available.	
Mutagenic Effects	Tests on laboratory animals for mutagenic effects are cited in Registry of Toxic Effects of Chemical Substances (RTECS).	

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Toxicity of the Products of Biodegradation	The products of degradation are as toxic as the product itself.

Section 13. Disposal Considerations

EPA Waste Number	Not available.
Treatment	Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations. Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished.

Section 14. Transport Information

DOT Classification	Not available.
TDG Classification	Not available.
IMO/IMDG Classification	Not available.
ICAO/IATA Classification	Not available.

Section 15. Regulatory Information

U.S. Federal Regulations	TSCA 8(b) inventory: PHLOXINE B
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SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
 SARA 313 toxic chemical notification and release reporting: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean air act (CAA) 112 accidental release prevention: No products were found.
 Clean air act (CAA) 112 regulated flammable substances: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: No products were found.
 Class D-1B: Material causing immediate and serious toxic effects (TOXIC).
 CEPA DSL: PHLOXINE B

WHMIS (Canada)

International Regulations

EINECS
DSCL (EEC)
International Lists

PHLOXINE B 242-355-6
 This product is not classified according to the EU regulations.
 Australia (NICNAS): PHLOXINE B

Japan (MITI): PHLOXINE B

Korea (TCCL): PHLOXINE B

Philippines (RA6969): PHLOXINE B
 China: No products were found.
 No products were found.
 California prop. 65: No products were found.

State Regulations

Section 16. Other Information

National Fire Protection Association (U.S.A.)	Health	0	Fire Hazard
		1	0
			Reactivity Specific Hazard

Changed Since Last Revision +
Notice to Reader

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