

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Hematoxylin, Powder, HARLECO ® , **Product Code** 234
Certified Biological Stain, For Histology and Cytology

Manufacturer EMD Chemicals Inc. **Effective Date** 3/3/2003
P.O. Box 70
480 Democrat Road
Gibbstown, NJ 08027
Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc.

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 NATURAL BLACK 1
Material Uses Analytical reagent.
Chemical Family Organic Dye.

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
Hematoxylin	517-28-2	100

Section 3. Hazards Identification

Physical State and Appearance Solid. (Crystals solid. Powdered solid.)

Emergency Overview CAUTION!
MAY BE 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 May be 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 or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately

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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	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5. Fire Fighting Measures

Flammability of the Product	Non-flammable.
Auto-ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: No. Risks of explosion of the product in presence of mechanical impact: No.
Fire Fighting Media and Instructions	Not applicable.
Protective Clothing (Fire)	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	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. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill and Leak	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.
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
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skin, or on clothing. Do not breathe dust.
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

Eyes Safety glasses.

Body Lab coat.

Respiratory Not applicable.

Hands Not applicable.

Feet Not applicable.

Protective Clothing

(Pictograms)

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.

Product Name	Exposure Limits
Hematoxylin	Not available.

Section 9. Physical and Chemical Properties

Odor Not available.
Color Beige. Tan. White to yellowish.
Physical State and Appearance Solid. (Crystals solid. Powdered solid.)
Molecular Weight 302.3 g/mole
Molecular Formula C₁₆H₁₄O₆
pH Not available.
Boiling/Condensation Point Not available.
Melting/Freezing Point 100°C (212°F)
Specific Gravity Not available.
Vapor Pressure Not applicable.
Vapor Density Not available.
Odor Threshold Not available.
Evaporation Rate Not available.
LogKow Not available.
Dispersion Properties See solubility in water.
Solubility Partially soluble in water.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Conditions of Instability Not available.

Incompatibility with Not available.

Various Substances

Rem/Incompatibility Not available.

Hazardous Not available.

Decomposition

Products

Hazardous Will not occur.

Polymerization

Section 11. Toxicological Information

RTECS Number:

Hematoxylin, Certified Biological Stain MH7875000

Toxicity LD50: Not available.

LC50: Not available.

Chronic Effects on Not available.

Humans

Acute Effects on May be hazardous in case of ingestion.

Humans

Synergetic Products Not available.

(Toxicologically)

Irritancy Draize Test: Not available.

Sensitization Not available.

Carcinogenic This material is not known to cause cancer in animals or humans.

Effects

Toxicity to Not available.

Reproductive

System

Teratogenic Effects Not available.

Mutagenic Effects Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Toxicity of the The products of degradation are less toxic than the product itself.

Products of

Biodegradation

Section 13. Disposal Considerations

EPA Waste Not available.

Number

Treatment 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. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

Section 14. Transport Information

DOT Classification Not available.

TDG Classification Not available.

Not available.

**IMO/IMDG
Classification
ICAO/IATA
Classification**

Not available.

Section 15. Regulatory Information

**U.S. Federal
Regulations**

TSCA 8(b) inventory: Hematoxylin

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.

WHMIS (Canada) Not controlled under WHMIS (Canada).

CEPA DSL: Hematoxylin

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

**International
Regulations**

EINECS Hematoxylin 208–237–3

DSCL (EEC) This product is not classified according to the EU regulations.

**International
Lists** Australia (NICNAS): Hematoxylin

Japan (MITI): Hematoxylin

Korea (TCCL): Hematoxylin

Philippines (RA6969): Hematoxylin

China: No products were found.

State Regulations No products were found.

California prop. 65: No products were found.

Section 16. Other Information

**National Fire
Protection
Association
(U.S.A.)**

**0 Fire
00 Hazard
Health
Reactivity**

**Specific
Hazard**

**Changed Since Last
Revision** +

Notice to Reader

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