

Leishman Stain

**Material Safety Data Sheet**

**Section 1. Product and Company Identification**

**Product Name** Leishman Stain

**Product Code** 252

**Manufacturer** EMD Chemicals Inc.

P.O. Box 70  
480 Democrat Road  
Gibbstown, NJ 08027

**Effective Date** 3/3/2003

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** None.

**Material Uses** Analytical reagent.

**Chemical Family** Organic Dye.

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**Section 2. Composition and Information on Ingredients**

**Component**

**CAS # % by Weight**

LEISHMAN'S STAIN

12627-53-1 100

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**Section 3. Hazards Identification**

**Physical State and Appearance** Solid. (Powder.)

**Emergency Overview** WARNING!

HARMFUL IF SWALLOWED.  
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN  
IRRITATION.

**Routes of Entry** Absorbed through skin. Eye contact. Inhalation. Ingestion.

**Potential Acute Health Effects**

**Effects**

**Eyes** May be hazardous in case of eye contact (irritant).

**Skin** May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Inhalation** May be hazardous in case of inhalation (lung irritant).

**Ingestion** Hazardous in case of ingestion.

**Potential Chronic Health Effects**

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

**Effects**

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.

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## Leishman Stain

### Section 4. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	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.

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### Section 5. Fire Fighting Measures

<b>Flammability of the Product</b>	Non-flammable.
<b>Auto-ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Products of Combustion</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances</b>	<b>Risks of explosion of the product in presence of static discharge:</b> No. <b>Risks of explosion of the product in presence of mechanical impact:</b> No.
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Protective Clothing (Fire)</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

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### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	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.
<b>Large Spill and Leak</b>	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. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Leishman Stain

**Spill Kit Information** No specific spill kit required for this product.

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### Section 7. Handling and Storage

**Handling** Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing dust. Keep container closed.

**Storage** Keep container in a cool, well-ventilated area.

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### 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** Splash goggles.

**Body** Lab coat.

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

**Hands** Gloves.

**Feet** Not applicable.

#### Protective Clothing (Pictograms)

**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.

<b>Product Name</b>	<b>Exposure Limits</b>
LEISHMAN'S STAIN	Not available.

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### Section 9. Physical and Chemical Properties

**Odor** Not available.

**Color** Dark Purple.

**Physical State and Appearance** Solid. (Powder.)

**Molecular Weight** Not available.

**Molecular Formula** Not available.

**pH** Not available.

**Boiling/Condensation Point** Not available.

**Melting/Freezing Point** Not available.

**Specific Gravity** Not available.

**Vapor Pressure** Not applicable.

**Vapor Density** Not available.

**Odor Threshold** Not available.

**Evaporation Rate** Not available.

**LogKow** Not available.

**Solubility** Not available.

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### Section 10. Stability and Reactivity

## Leishman Stain

<b>Stability and Reactivity</b>	The product is stable.
<b>Conditions of Instability</b>	Not available.
<b>Incompatibility with Various Substances</b>	Reactive with oxidizing agents.
<b>Rem/Incompatibility</b>	Not available.
<b>Hazardous</b>	Not available.
<b>Decomposition Products</b>	
<b>Hazardous</b>	Will not occur.
<b>Polymerization</b>	

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### Section 11. Toxicological Information

#### RTECS Number:

Leishman, HARLECO ® , Certified Biological Stain, For Hematology Not available.

**Toxicity** LD50: Not available.  
LC50: Not available.

**Chronic Effects on Humans** Not available.

**Acute Effects on Humans** May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. May be hazardous in case of inhalation (lung irritant). 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** Not available.

**Teratogenic Effects** Not available.

**Mutagenic Effects** Not available.

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### Section 12. Ecological Information

**Ecotoxicity** Not available.

**BOD5 and COD** Not available.

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### Section 13. Disposal Considerations

**EPA Waste Number** Not available.

**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.

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**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** Exempt from TSCA listing requirements.

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)** Class D–2B: Material causing other toxic effects (TOXIC).  
 No products were found.  
 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** LEISHMAN'S STAIN 235–732–1  
**DSCL (EEC)** R36/37/38– Irritating to eyes, respiratory system and skin.  
**International Lists** Australia (NICNAS): LEISHMAN'S STAIN

**State Regulations** China: No products were found.  
 No products were found.  
 California prop. 65: No products were found.

**Section 16. Other Information**

<b>National Fire Protection Association (U.S.A.)</b>	<b>0</b>	<b>Fire</b>
	<b>10</b>	<b>Hazard</b>
	<b>Health</b>	
		<b>Reactivity</b>
		<b>Specific</b>

**Changed Since Last  
Revision** +

**Notice to Reader**

The statements contained herein are based upon technical data that EMD Chemicals Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment. EMD CHEMICALS INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

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