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LEISHMAN STAIN

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION:

Synonyms: Eosin Methylene Blue Acc. To Leishman.; Eosin-polychrome methylene blue

CAS No.: 12627-53-1

Molecular Weight: 171.0387

Chemical Formula: C₆H₅NO₅

2. COMPOSITION, INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Leishman Stain	12627-53-1	90-100	No

3. HAZARDS IDENTIFICATION:

Emergency Overview Do not breathe dust. Avoid contact with eyes, skin, and respiratory tract. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Potential Health Effects

Eyes: Irritating to eyes. May cause chemical conjunctivitis.

Skin: Irritating to skin. May be harmful if absorbed through skin.

Ingestion: May be harmful if swallowed.

Inhalation: May cause irritation to respiratory tract.

Chronic: Effects may be delayed.

4. FIRST AID MEASURES:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. **Do NOT** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES:

General Information: May form a flammable dust cloud on mixing with air in the presence of a source of ignition. May form an explosive dust cloud on mixing with air in the presence of a source of ignition. In the event of a fire, wear full protective clothing and NIOSH approved self-contained

breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Extinguishing Media: Water spray, foam, CO₂, dry powder.

Flash Point: N/A

Auto-ignition Temperature: N/A

NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0.

6. ACCIDENTAL RELEASE MEASURES:

General Information: Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from dust. Use personal protective equipment as indicated in Section 8.

Spills/Leaks: SPILLS: Sweep up, mixing with sand or other inert material. **DO NOT FLUSH AWAY RESIDUE WITH WATER!** Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from ignition sources.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low. A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA - Final PEL's</u>
Leishman Stain	None listed	None listed	None listed

OSHA Vacated PELs: Leishman Stain : No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

Skin: Wear protective gloves and clean body-covering clothing.

Clothing: Wear appropriate protective clothing.

Respirators: For conditions of use where exposure to the dust is (NIOSH Approved) apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Powder

Appearance: Dark green to black

Odor: No information found.

Freezing/Melting Point: 79-81 deg C

pH: No information found.

Vapor Pressure (mm Hg): No information found.

Vapor Density (Air = 1): No information found.

Evaporation Rate: No information found.

Viscosity: No information found.

Boiling Point: No information found.

Decomposition Temperature:

Solubility: No information found.

Specific Gravity/Density: No information found.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials: Oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS: unlisted

CAS# 12627-53-1

LD50/LC50: No LD50/LC50 information found relating to normal routes of occupational exposure.

Carcinogenicity: CAS# 12627-53-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

12. ECOLOGICAL INFORMATION:

No information available.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL: Whatever cannot be saved for reclamation may be disposed in an approved chemical waste disposal facility or burned in an approved chemical incinerator equipped with an afterburner and scrubber.

ENSURE COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14. TRANSPORT INFORMATION:

Not regulated.

15. REGULATORY INFORMATION:**US FEDERAL**

TSCA CAS#12627-53-1 is not listed on the TSCA inventory.

Health & Safety Reporting List None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules None of the chemicals in this product are under a Chemical Test Rule.

Section 12b None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA None of the chemicals in this product are considered highly hazardous by OSHA.
STATE CAS# 12627-53-1 is not present on state lists from CA, PA, MA, MN, FL, or NJ.
California Prop 65: No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS

European Labeling in Accordance with EC Directives

Hazardous Symbols: XI

Risk Phrases: R36/38 Irritating to eyes and skin.

Safety Phrases: Not available.

WGK (Water Danger/Protection) CAS#12627-53-1: No information available.

Canada - DSL/NDSLCAS#12627-53-1 is not listed on Canada's DSL List.

Canada – WHMIS This product has a WHMIS classification of D2B.

CAS# 12627-53-1 is not listed on **Canada's Ingredient Disclosure List.**

Exposure Limits

16. DISCLAIMER INFORMATION:

DISCLAIMER:

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