

---

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

---

**PRODUCT NAME:** RediStain WormDye Lyso \*4mg/mL Solution in Water\*  
**PRODUCT #:** 9440  
**SYNONYMS:** 3,6-Bis(dimethylamino)acridine hydrochloride; 3,6-Acridinediamine, N,N,N',N'-tetramethyl-, monohydrochloride  
**INDICATION/USE:** Reagent for diagnostic cell study,  
For research use only, not for human or animal diagnostic or therapeutic uses.

**COMPANY ADDRESS:** NemaMetrix, Inc.  
44 W. 7th Ave  
Eugene, OR 97401

**EMERGENCY PHONE:** (541) 912-9944  
**PHONE:** (844) 663-8749  
**EMAIL:** support@nemamatrix.com

---

**SECTION 2: HAZARDS IDENTIFICATION**

---

**GHS CLASSIFICATION SIGNAL WORD:** Not a hazardous substance or mixture.  
**GHS LABELING/PRECAUTIONARY STATEMENTS:** Not a hazardous substance or mixture.  
**HAZARD STATEMENTS AND SYMBOLS:** Not required.  
**HAZARD NOT OTHERWISE CLASSIFIED:** None.

---

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

---

**PRODUCT NAME:** RediStain WormDye Lyso \*4mg/mL Solution in Water\*  
**SYNONYMS:** 3,6-Bis(dimethylamino)acridine hydrochloride; 3,6-Acridinediamine, N,N,N',N'-tetramethyl-, monohydrochloride  
**CAS #:** 65-61-2  
**EC No:** N/A  
**MDL #:** MFCD00005029  
**MOL. FORMULA:** C<sub>17</sub>H<sub>20</sub>CIN<sub>3</sub>  
**MOL WEIGHT:** 301.82 g/mol  
**OTHER COMPONENTS:** None

---

**SECTION 4: FIRST AID MEASURES**

---

**NOTES TO PHYSICIANS/ FIRST AID PROVIDERS:** Treat symptomatically. Avoid prolonged exposure. Wear protective clothing.  
**EYES:** If eye contact occurs, wash affected area with water for 15 minutes and seek medical advice.  
**SKIN:** If skin contact occurs, wash affected area with water for 15 minutes and seek medical advice.  
**INGESTION:** If swallowed, rinse mouth out with water provided the person is conscious and seek medical advice.  
**INHALATION:** If product is inhaled, move individual to fresh air. If breathing becomes difficult, seek medical advice.

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**GENERAL INFO :** As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
**EXTINGUISHING MEDIA:** In case of fire use water spray, carbon dioxide, dry chemical powder or appropriate foam.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**Personal Precautions:** Use appropriate protective equipment. Avoid breathing dust and vapors.  
**Methods for clean up:** Absorb spills with a appropriate material. Collect and dispose of all waste in appropriate container.  
**Environmental Precautions:** No special environmental precautions needed.

# SAFETY DATA SHEET

VERSION: 2.03  
Revision Date: 12-9-2015

---

## SECTION 7: HANDLING AND STORAGE

---

**HANDLING AND STORAGE:** Avoid ingestion & inhalation. Do not breathe dust. Avoid contact with skin, eyes & clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

**OTHER PRECAUTIONS:** Keep container tightly closed when not in use. Store at RT Protect from light. Desiccate.

---

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

---

**EXPOSURE LIMITS/CONTROL:** This products does not contain any substances with occupataional exposure limits established

**ENGINEERING CONTROLS:** Use adequate ventilation to keep airborne concentrations low. Safety shower and eye bath.

**RESPIRATORY PROTECTION:** Follow OSHA respirator regulations found in 29CFR 1910.134 or European Std EN 149  
Always use NIOSH N95 or European Standard EN 143 approved respirator when necessary.

**EYE PROTECTION:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

**SKIN PROTECTION:** Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**OTHER PROTECTIVE CLOTHING:** Wear appropriate protective clothing to prevent exposure.

**WORK HYGIENIC PRACTICES:** Wear compatible chemical-resistant gloves to prevent skin exposure.

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

**APPEARANCE:** Liquid.

**ODOR:** Not available.

**ODOR THRESHOLD:** Not available

**pH AS SUPPLIED:** Not available.

**MELTING POINT:** Not available

**FREEZING POINT:** Not available

**FLASH POINT** Not available.

**BOILING POINT and RANGE:** Not available.

**EVAPORATION RATE:** Not available.

**FLAMMABILITY (SOLID,GAS):** Not available.

**Upper/lower flammability or  
Explosive limits:** Not available.

**VAPOR PRESSURE (mmHg):** Not available.

**VAPOR DENSITY (AIR = 1):** Not available.

**RELATIVE DENSITY:** Not available

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** Not available.

**SOLUBILITY IN WATER:** Not available.

**PARTITION COEFFICIENT:** Not available.

**AUTOIGNITION TEMP:** Not available.

**DECOMPOSITION TEMP:** Not available.

**VISCOSITY:** Not available.

**EXPLOSIVE PROPERTIES:** Not available.

**OXIDIZING PROPERTIES:** Not available.

---

## SECTION 10: STABILITY AND REACTIVITY

---

**REACTIVITY:** Stable.

**CHEMICAL STABILITY:** Stable under normal storage temperatures and conditions.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Avoid moisture, strong bases and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No decomposition if used according to specifications.

**HAZARDOUS POLYMERIZATION:** Polymerization won't occur.

# SAFETY DATA SHEET

VERSION: 2.03  
Revision Date: 12-9-2015

---

## SECTION 11: TOXICOLOGICAL INFORMATION

---

**RTECS NUMBER:** None known  
**ACUTE TOXICITY:** None Known  
    **LD50/LC50 :** None known  
    **Inhalation/Dermal:** None known  
**SKIN CORROSION /IRRITANT:** None known - may cause irritation in susceptible people  
**EYE DAMAGE /IRRITANT:** None known - may cause irritation in susceptible people  
**RESPIRATORY IRRITANT:** None known - may cause irritation in susceptible people  
**GERM CELL MUTAGENICITY:** None known  
**CARCINOGENITY:** None known (Not listed by NTP, IARC or OSHA)  
**EPIDEMIOLOGY:** None known  
**REPRODUCTIVE /TERATOGEN:** None known  
**NEUROTOXICITY:** None known  
**SPECIFIC TARGET ORGAN**  
    **Toxicity single exposure:** None known  
    **Toxicity repeated exposure:** None known  
**ASPIRATION HAZARD:** None known  
**SIGNS/SYMPTOMS of EXPOSURE:** To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated

---

## SECTION 12: ECOLOGICAL INFORMATION

---

Do not allow product to reach ground water or water course

**ECTOTOXICITY:** No information available  
**MOBILITY:** No information available  
**BIODEGRADATION:** No information available  
**BIOACCUMULATION:** No information available

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL METHOD:** Observe all federal, state, and local environmental regulations for proper disposal.  
**RCRA HAZARD CLASS:** Not available

---

## SECTION 14: TRANSPORT INFORMATION

---

**DOT (U.S.): HAZARD CLASS:** DOT unrestricted. This substance is considered to be non-hazardous for transport  
**IMDG: HAZARD CLASS:** This substance is considered to be non-hazardous for transport  
**IATA: HAZARD CLASS:** This substance is considered to be non-hazardous for transport

---

## SECTION 15: REGULATORY INFORMATION

---

**U.S. TSCA (TOXIC SUBSTANCE CONTROL ACT):** Not included on TSCA inventory, for R&D use only  
**SARA 302 COMPONENTS:** Not listed  
**SARA 311/312 HAZARD CATEGORIES:** Not listed  
**SARA 313 REPORTABLE INGREDIENTS:** Not listed  
**INTERNATIONAL REGULATIONS:**  
    **EEC EINECS Number:** Not identified  
    **EEC Risk Statements / other** Not determined / none

# SAFETY DATA SHEET

VERSION: 2.03  
Revision Date: 12-9-2015

---

## SECTION 16: OTHER INFORMATION

---

### NFPA & HMIS HAZARD CLASSIFICATION

HEALTH: 0.  
FLAMMABILITY: 0.  
REACTIVITY: 0.

---

*This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a qualified individual experienced in handling potential hazardous chemicals. The information above is believed to be correct and represents the best information currently available to us but does not purport to be all inclusive and shall be used only as a guide. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way is NemaMetrix liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if NemaMetrix has been advised of the possibility of such damages.*