

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) Name:** Eosin Y. Catalogue # C097, C0971, C0975  
**Other Names:** Acid red 87; CI 45380; 2'4'5'7'-tetra bromofluorescein.  
**Recommended Use:** Biological Stain.

**Supplier Name:** ProSciTech  
**Postal Address:** PO Box 111, Thuringowa Central Qld. 4817 Australia  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444  
**Fax Number:** (07) 4773 2244  
**Emergency Contact:** (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC.  
**Risk Phrases:**  
**Safety Phrases:** S24/25: Avoid contact with eyes and skin.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**SUBSTANCE:**  
**Chemical Identity:** Eosin Y  
**Common Name(s):**  
**CAS Number(s):** 17372-87-1

### MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Eosin Y	17372-87-1	90-100

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** If victim is conscious and alert, give 2-4 cupfuls of 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.

**Eye:** 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 clothing. Get medical attention if irritation occurs or persists. Wash contaminated clothing before reuse.

**Inhaled:** 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.

**First Aid Facilities:** Safety shower and eye bath.

**Medical Attention & Special Treatment:** Treat symptomatically and supportively.

ADDITIONAL INFORMATION:

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray to cool containers exposed to the fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam to extinguish surrounding fire.

**Hazards from Combustion Products:** Carbon monoxide, carbon dioxide, hydrogen bromide.

**Precautions for Fire Fighters:** Wear full fire fighting gear and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent.

**Hazchem Code:**

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Emergency Procedures:**

**Containment and clean up:** Vacuum or sweep up the material and place into a suitable container for disposal. Clean up spills immediately. Refer to Section 8 for appropriated protective equipment. Avoid generating dusty conditions. Provide ventilation.

**SECTION 7 - HANDLING & STORAGE**

**Precautions for Safe Handling:** Wash thoroughly after handling. Use adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Keep container tightly sealed. Avoid ingestion and inhalation.

**Conditions for Safe Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**National Exposure Standards:** No exposure standard allocated.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:** Use in a well-ventilated area. Maintain eyebaths and safety showers within close range to work areas.

**Personal Protective Equipment:** Wear protective eyeglasses or chemical safety goggles, protective gloves, appropriate clothing to prevent skin exposure. Use a NIOSH approved respirator if necessary.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

**Appearance:** Green - brown powder.

**Odour:** Not available.

**pH:** Not available.

**Vapour pressure:** Negligible.

**Vapour density:** Not available.

**Boiling point/range:** Not available.

**Freezing/melting point:** Not available.

**Solubility:** Not available.

**Specific gravity or density:** Not available.

**Flash Point:** Not available.

**Flammable (explosive) limits:** Not available.

**Ignition temperature:** Not available.

**Additional Information:**

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical stability:** Stable under normal storage and handling conditions.

**Conditions to avoid:** Incompatible materials.

**Incompatible Materials:** Strong oxidisers.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen bromide.

**Hazardous Reactions:**

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Acute and chronic health effects:** Oral, mouse: LD50 = 2344 mg/kg.

**Possible routes of exposure:** Eye/skin contact, ingestion and inhalation.

**Range of effects following exposure:** May cause eye/skin irritation. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause respiratory tract irritation.

**Dose likely to cause injury:**

**Delayed effects:**

**Relevant negative data:**

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:**

**Persistence and degradability:**

**Mobility:**

**Additional Information:**

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods:** Dispose in accordance with Local and State regulations.  
**Special Precautions:**

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:**  
**UN Proper Shipping Name:**  
**Class and Subsidiary risk:**  
**Packing Group:**  
**Special Precautions for User:**  
**Hazchem Code:**

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None allocated

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** 06 May 2008

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