

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Erythrosin B, certified.
Catalogue Number: C098, C0981, C0985.
Other Names: Acid Red 51; C.I. 45430; 9-(o-Carboxyphenyl)-6-hydroxy-2,4,5,7-tetraiodo-3H-xanthene-3-one disodium salt; Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl) benzoate; Fluorescein, 2',4',5',7'-tetraiodo-, disodium salt; Tetraiodofluorescein sodium salt.
Recommended Use: Biological Stain.
Supplier Name: ProSciTech
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.
Hazardous and/or Dangerous Nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases: R22 Harmful if swallowed.
Safety Phrases: S36 Wear suitable protective clothing.

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Erythrosin B, certified.
Common Name(s): Acid Red 51; C.I. 45430; 9-(o-Carboxyphenyl)-6-hydroxy-2,4,5,7-tetraiodo-3H-xanthene-3-one disodium salt; Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl) benzoate; Fluorescein, 2',4',5',7'-tetraiodo-, disodium salt; Tetraiodofluorescein sodium salt.
CAS Number(s): 16423-68-0

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Erythrosin B	16423-68-0	>100

SECTION 4 - FIRST AID MEASURES

Swallowed: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Eye: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Inhaled: Remove from exposure to fresh air immediately. IF not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment: Treat symptomatically and supportively.
ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.
Hazards from Combustion Products: Carbon monoxide and carbon dioxide. Hydrogen Iodide, Sodium oxide.
Precautions for Fire Fighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Not available.

Containment and clean up:

Clean up spills immediately, observing precautions in Section 8. Sweep up, and then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Do not ingest or inhale. Keep from contact with moist air and steam. Do not breathe dust.

Conditions for Safe Storage:

Keep container closed when not in use. Store protected from moisture. Store in a cool, dry 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:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment:

Eyes: 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: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing (Lab coat and overalls) to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Dark red to maroon to brown powder.

Odour: Odourless.

pH: Not available.

Vapour pressure (mm of Hg at 25°C): Not available.

Vapour density: Not available.

Boiling point/range (°C): Not available.

Freezing/melting point (°C): Not available.

Solubility: Soluble in water.

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 conditions of use.

Conditions to avoid: Exposure to moist air or water and incompatible materials.

Incompatible Materials: Strong oxidising agents and moisture.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide. Hydrogen Iodide, Sodium oxide.

Hazardous Reactions: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

Inhalation:

May cause respiratory tract irritation.

Skin Contact:

May cause allergic skin reaction.

Eye Contact:

May cause eye irritation.

Human/Animal data: Reproductive Effects: Reproductive effects have occurred in experimental animals.
Mutagenicity: Mutagenic effects have occurred in humans. Mutagenic effects have occurred in experimental animals.

Carcinogenicity: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of in accordance with local, state and federal regulations.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not available.

UN Proper Shipping Name: Not available.

Class and Subsidiary risk: Not available.

Packing Group: Not available.

Special Precautions for User: Not available.

Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: November 09

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.