SAFETY DATA SHEET

Eosin Y, C.I. 45380

Version 2 · issued 5 November 2026

1. IDENTIFICATION

Product Identifiers

Product Name	Eosin Y, C.I. 45380
Other Names	Bronze Bromo ES. Bromo acid J.TS, XL or XX, Eosin yellowish Bromofluorescein, Acid red 87, 2',4',5'7'-Tetrabromofluorescein disodium salt.
Product Number(s)	C097, C0971, C0975
CAS Number	7372-87-1

Recommended use of the chemical and restriction on use

Laboratory use.

Company Details

ProSciTech Pty Ltd
11 Carlton Street
KIRWAN QLD 4817
Australia
(07) 4773 9444
pst@proscitech.com
proscitech.com.au

Emergency Contact Details

ProSciTech Pty Ltd
11 Carlton Street
KIRWAN QLD 4817
Australia
(07) 4773 9444
pst@proscitech.com
proscitech.com.au

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Eye irritation

Label Elements

Harmful / irritant

Signal Words	Warning
Hazard Statement(s)	H319: Causes serious eye irritation.
Precautionary Statement(s)	P264: wash skin thoroughly after handling P280: Wear protective gloves/eye & face protection P305 ± P351 ± P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing P337 ± P313: If eye irritation occurs: consult physician

Primary route(s) of entry

Not available.

Human Health

Inhalation	Move to fresh air. Consult a physician.
Ingestion	Do not induce vomiting without medical advice. Rinse with water. Consult physician.
Eyes	Rinse immediately with plenty of water and seek medical advice. advice.
Skin	Rinse with plenty of soap & water and seek medical advice

Environment

No further relevant information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	Content (w/w)	Classification
Disodium 2-(2,4,5,7-tetrabromoo-6-oxido-3-oxo xanthen-9-yl)benzoate	17372-87-1	90-100%	-

4. FIRST AID MEASURES

Ingestion	Do not induce vomiting without medical advice. Rinse with water. Consult physician.
Inhalation	Move to fresh air. Consult a physician.
Skin Contact	Rinse with plenty of soap & water and seek medical advice.
Eye Contact	Rinse immediately with plenty of water and seek medical advice.
Other Information	No further relevant information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

Fire	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
HAZCHEM	Not available.

Special protective equipment and precautions for fire fighters

Carbon oxides, Hydrogen bromide gas, sodium oxides. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use proper PPE as indicated in Section 8.
Environmental precautions	Not available.
Methods and materials for containment and clean up	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling	Wash thoroughly after handling. Use with adequate ventilation. Minimise dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Conditions for safe storage	Tightly closed container cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

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

Personal protective equipment

Eye and face 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 appropriate protective gloves to prevent skin exposure. 0.11mm thick nitrile.
Body protection	Wear appropriate protective clothing to prevent skin exposure.
Respiratory protection	Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance	Green - brown powder
Odour	Not available.
pH	Not available.
Vapour Pressure	Negligible.
Density	Not available.
Boiling Point	Not available.
Melting Point	Not available.
Solubility	Not available.

Specific Gravity of Density	1.018g/cm3
Flash Point	Not available.
Flammable (Explosive) Limits	Not available.
Ignition Temperature	Not available.
Formula	C20H6Na2O5

10. STABILITY AND REACTIVITY

Reactivity	Flash Point: Not available Auto-ignition Temperature: Not available Explosion Limits: Not available.
Chemical stability	Stable at room temp. in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions	No further relevant information available.
Conditions to avoid	Incompatible materials
Incompatible materials	Strong oxidisers.

11. TOXICOLOGICAL INFORMATION

Acute effects	No further relevant information available.
Eye contact	No further relevant information available.
Skin contact	No further relevant information available.
Ingestion	LD50/LC50: Oral, mouse: LD50 = 2344 mg/kg.
Inhalation	No further relevant information available.
Toxicity and irritation	LC50 Oryzias latipes -1,200 mg/l-48h

12. ECOLOGICAL INFORMATION

Ecotoxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
Other adverse effects	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

General information

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.

14. TRANSPORT INFORMATION

ADG label required

HAZCHEM	Not available.
UN Number	None.
Proper shipping name	Not regulated.
Transport hazard class	0
Packing group	None.
Environmental hazard	No information available.
Special precautions for users	No information available.
Additional information	No information available.

15. REGULATORY INFORMATION

Poisons Schedule Number	No information available.
Other Information	No further relevant information available.

16. OTHER INFORMATION

SDS preparation date	5 November 2026

Comments	This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
References	DUDLEY CORPORATION, Safety Data Sheet "EOSIN Y CERTIFIED" 1st January 2025

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

... End of SDS ...