



Infosafe No™ 1CH2P Issue Date : August 2012 RE-ISSUED by CHEMSUPP

Product Name **EOSIN YELLOWISH Disodium salt**

Classified as hazardous

**1. Identification**

**GHS Product Identifier** EOSIN YELLOWISH Disodium salt

**Company Name** CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

**Address** 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000  
Fax: (08) 8440-2001

**Recommended use of the chemical and restrictions on use** Dyeing silk, cotton and wool; red writing ink; pencil lead; pigments; varnish; paper; cosmetic products; biological stain; medicine; drugs; colouring motor fuel and laboratory reagent.

Other Names	Name	Product Code
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C.I. 45380		
EOSIN YELLOWISH Disodium salt LR		EL028
EOSIN YELLOWISH Disodium salt		EP028
Eosin Y		
Acid red 87		

**Other Information** EMERGENCY CONTACT NUMBER: +61 08 8440 2000  
Business hours: 8:30am to 5:00pm, Monday to Friday.

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

**2. Hazard Identification**

**GHS classification of the substance/mixture** Damage/Irritation: Category 2A

**Signal Word (s)** WARNING

**Hazard Statement (s)** H319 Causes serious eye irritation.

**Pictogram (s)** Exclamation mark



**Precautionary statement – Prevention** P264 Wash thoroughly after handling.  
P280 Wear protective eye protection/face protection.

**Precautionary statement – Response** P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Precautionary statement – Disposal** P501 Dispose of contents/container according to local, state and federal regulations.

**3. Composition/information on ingredients**

**Chemical Characterization** Solid



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Eosin Y Disodium Salt 17372-87-1 100 %

**4. First-aid measures**

<b>Inhalation</b>	Remove from exposure, rest and keep warm. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen. If breathing becomes difficult, seek medical attention.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Seek medical attention.
<b>Skin</b>	Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. Seek medical attention in severe cases.
<b>Eye contact</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
<b>First Aid Facilities</b>	Maintain eyewash fountain and drench facilities in work area.
<b>Advice to Doctor</b>	Treat symptomatically and supportively. The use of sodium chloride as antidotal treatment for bromine salt overdose should be made only by qualified medical personnel.
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

**5. Fire-fighting measures**

<b>Hazards from Combustion Products</b>	Irritating and highly toxic gases, hydrogen bromide gas (HBr), bromine compounds, fumes of sodium oxides, carbon monoxide and carbon dioxide.
<b>Specific Methods</b>	Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.
<b>Specific hazards arising from the chemical</b>	
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

**6. Accidental release measures**

<b>Spills &amp; Disposal</b>	Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15m. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
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**7. Handling and storage**

<b>Precautions for Safe Handling</b>	Avoid ingestion and inhalation of vapours, or dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Minimize dust generation and accumulation. Keep container locked up and tightly closed. Ensure good ventilation at the workplace. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Wear suitable protective clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Protect against physical damage. Keep away from incompatibles such as oxidizing agents. Keep away from heat and all sources of ignition. Ground all equipment containing material. Containers of this material may be hazardous and may pose a fire risk when empty since they retain product residues (dust, solids); evaporate the residue under a fume hood and observe all warnings and precautions listed for the product.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in clearly labelled, tightly closed containers, in a cool, dry, well-ventilated area, away from incompatible substances. Store away from oxidizing agents. Protect against physical damage, direct sunlight and moisture. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions



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**Storage Temperatures** listed for the product.  
(based on product quality considerations)

**8. Exposure controls/personal protection**

**Other Exposure Information** A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for this product. There is a blanket limit of 10 mg/m<sup>3</sup> for dusts when limits have not otherwise been established.

**Appropriate engineering controls** In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

**Respiratory Protection** Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

**Eye Protection** The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Hand Protection** Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

**Body Protection** Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

**Hygiene Measures** Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Other Information** Strong dye. Exercise care.

**9. Physical and chemical properties**

**Form** Solid

**Appearance** Red to brown crystals or powder.

**Odour** Odourless.

**Melting Point** >300 °C; >310 °C.

**Solubility in Water** Soluble in water (300 g/l at 20 °C).

**Solubility in Organic Solvents** Soluble in alcohol and acetic acid.

**Specific Gravity** 1.018.

**pH** ~9.2 (1% water).

**Vapour Pressure** Negligible.

**Evaporation Rate** Negligible.

**Flammability** Combustible.

**Explosion Properties** Not considered to be an explosion hazard.

**Molecular Weight** 691.86.

**Other Information** Absorption max.: 517 nm.  
Bulk density: 0.710; 300 - 400 kg/m<sup>3</sup>.

**10. Stability and reactivity**

**Chemical Stability** Stable under ordinary temperatures, pressures and conditions of use and storage.

**Conditions to Avoid** Excess heat, high temperatures, and incompatible materials.



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<b>Incompatible Materials</b>	Oxidizing agents.
<b>Hazardous Decomposition Products</b>	Irritating and highly toxic gases, hydrogen bromide gas (HBr), bromine compounds, fumes of sodium oxides, carbon monoxide and carbon dioxide.
<b>Possibility of hazardous reactions</b>	Reactive with oxidizing agents, reducing agents.
<b>Hazardous Polymerization</b>	Will not occur.

**11. Toxicological Information**

<b>Inhalation</b>	Inhalation of dust may cause irritation to the respiratory tract.
<b>Ingestion</b>	May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. The toxicological properties of this substance have not been fully investigated.
<b>Skin</b>	May cause skin irritation.
<b>Eye</b>	Causes eye irritation. This product contains an anionic dye. Similar dyes have not caused injury to the cornea or conjunctiva in documented exposure cases with human or rabbit eyes.
<b>Carcinogenicity</b>	Eosin [15086-94-9] is evaluated in the IARC Monographs (Vol. 15, Suppl. 7; 1987) as Group 3: Not classifiable as to carcinogenicity to humans. IARC Monograph Vol. 15, Suppl. 7; 1987 includes reference to Eosin Disodium Salt, CAS No.: 17372-87-1: Summary of Data Reported and Evaluation: Animal data: Eosin disodium salt has been administered to rats by subcutaneous injection; the data is insufficient for an evaluation of carcinogenicity of this compound to be made.
<b>Acute Toxicity - Oral</b>	LD50 (rat): 4700 mg/kg; LD50 (mouse): 2344 mg/kg.
<b>Serious eye damage/irritation</b>	Eye irritation test (rabbit): Moderate irritation effect.
<b>Skin corrosion/irritation</b>	Skin irritation test (rabbit): No irritation.

**12. Ecological information**

<b>Ecological Information</b>	No ecological problems are to be expected when the product is handled and used with due care and attention.
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**13. Disposal considerations**

<b>Disposal Considerations</b>	Dispose of according to relevant local, state and federal government regulations.
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**14. Transport information**

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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**15. Regulatory information**

<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Irritant

**16. Other Information**

<b>Literature References</b>	Australian Government Department of Health and Ageing, 'Standard for the Uniform Scheduling of Medicines and Poisons No. 2', Commonwealth of Australia, August 2011. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995. Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and
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