



Infosafe No™	1CH9R	Issue Date : January 2016	RE-ISSUED by CHEMSUPP
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Product Name : **FLUORESCEIN Sodium Salt**

Classified as hazardous

1. Identification

GHS Product Identifier FLUORESCEIN Sodium Salt

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

Address 38 - 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 and wool yellow, tracing subterranean waters, marking water for air-sea rescues, clinical test solution and laboratory reagent.

Other Names**Name****Product Code**

FLUORESCEIN Sodium Salt TG	FT030
FLUORESCEIN Sodium Salt LR	FL030
Uranine yellow, Resorcinolphthalein sodium, C.I. 45350, Uranin, Acid Yellow 73	

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 Acute Toxicity - Dermal: Category 4
Acute Toxicity - Inhalation: Category 4

Signal Word (s) WARNING

Hazard Statement (s) H312 Harmful in contact with skin.
H332 Harmful if inhaled.

Pictogram (s) Exclamation mark

Precautionary statement – Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

Skin
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Inhaled
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Dispose of contents/container to an approved waste disposal plant.

Precautionary statement – Disposal**3. Composition/information on ingredients**



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Chemical Characterization	Solid				
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Fluorescein sodium salt	518-47-8	90-100 %		

4. First-aid measures

Inhalation	Remove to fresh air. Seek medical advice if effects persist.
Ingestion	Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Do not induce vomiting. Seek medical advice if effects persist.
Skin	Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Specific Methods	No limitations to the type of extinguishing media. May burn but do not ignite readily. Small fire: Use dry chemical, CO ₂ , 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.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Wash hands and face thoroughly after working with material. Use with adequate ventilation. Avoid generation or accumulation of dusts. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation of material.
Conditions for safe storage, including any incompatibilities	Store away from oxidizing agents. Keep in a cool, dry, well-ventilated place. Keep containers securely sealed and protected against physical damage. Isolate from incompatible substances.

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 Safe Work Australia for this product. There is a blanket limit of 10 mg/m ³ 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.



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Hand Protection	Rubber or plastic gloves. Double gloves when handling large quantities.
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
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. When handling large quantities, disposable one-piece coated overall with integral hood.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Solid
Appearance	Orange-red powder.
Odour	Odourless.
Melting Point	> 300 °C
Solubility in Water	Freely soluble.
Solubility in Organic Solvents	Sparingly soluble in alcohol.
pH	pH ~8 (1% solution)
Volatile Component	<2%
Partition Coefficient: n-octanol/water	Log P(o/w): -0.67
Flammability	Combustible.
Molecular Weight	376.27

10. Stability and reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Moisture.
Incompatible Materials	Strong acids, oxidising agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, sodium oxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptom or effects may occur.
Ingestion	Ingestion causes nausea, vomiting and diarrhoea. May cause irritation to the gastrointestinal tract.
Inhalation	May cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, laboured breathing and chest pain.
Skin	May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects.
Eye	May cause irritation, redness and pain.
Carcinogenicity	Not listed in the IARC Monographs.
Mutagenicity	No evidence of mutagenic properties.

12. Ecological information

Ecological Information	Ecologically safe.
Persistence and degradability	Degrades naturally in sunlight, taking 5-7 days.



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Bioaccumulative Potential No bioaccumulation is to be expected (log P(o/w) <1.0).
Distribution: log P (o/w): -0.67

Acute Toxicity - Fish LC50 (Onchorhynchus mykiss): 1372 mg/l/96h

Acute Toxicity - Daphnia EC50 (Daphnia magna): 337 mg/l/48h

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information Listed in the Australian Inventory of Chemical Substances (AICS).

Poisons Schedule Not Scheduled

16. Other Information

Literature References 'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia, February 2015.
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.
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.
Safe Work Australia, 'Hazardous Substances Information System, 2005'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.
Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

Contact Person/Point

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Empirical Formula & Structural Formula C20 H10 O5 Na2

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