



SAFETY DATA SHEET

PRODUCT NAME: FLUORESCEIN

Issue Date: September 22

IDENTIFICATION

Product Name: Fluorescein
Other Names: Acid Yellow 73
Product Code: CFLU250
Uses: Tracing water leaks and a variety of colouring applications.
Supplier: HamChem - Hamilton Chemicals Ltd, 75 Ruffell Road, Hamilton
Phone: 07-974-4971 Email: info@hamchem.nz Web: www.hamchem.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

HAZARD IDENTIFICATION



GHS Classifications

Skin Sensitiser – Category 1

Signal Word: WARNING

Hazard Statements

H317 May cause an allergic skin reaction

Precautionary Statements

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P333 + P313 If skin irritation or rash occurs: seek medical attention
P362 + P364 Take off contaminated clothing and wash before reuse

Disposal

P501 Dispose of contents/container to approved waste facility in accordance with local regulations.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Fluorescein, sodium salt	2321-07-5	90 – 100%

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PRODUCT NAME: FLUORESC EIN

FIRST AID MEASURES

If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing until recovered. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.

If in eyes: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present, and easy to do so. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Advice to Doctor: Treat symptomatically.

Medical Conditions Aggravated by Exposure: No information available.

FIRE FIGHTING MEASURES

General Measures: If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

Flammability Conditions: May be combustible at high temperatures.

Extinguishing Media: Use dry chemical, carbon dioxide, foam or water spray for extinction.

Fire and Explosion Hazard: Potential dust explosion hazard – fine dust may form explosive mixtures with air.

Hazardous Products of Combustion: Fire or heat may produce irritating and/or toxic fumes, including carbon oxides, sodium oxides.

Special Fire Fighting Instructions: Contain runoff from fire control water – runoff may pollute waterways.

Personal Protective Equipment: Wear self-contained breathing apparatus (SCBA) in combination with normal firefighting clothing (full fire kit).

ACCIDENTAL RELEASE MEASURES

General Response Procedure: Ensure adequate ventilation. Eliminate all ignition sources. Do not touch or walk through spilled material. Avoid dust formation. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures: Collect material (sweep or vacuum up) and place it in suitable containers for disposal. If appropriate cover with dry earth, sand or other inert materials to prevent dusting.

Containment: Stop leak if safe to do so – prevent entry into waterways, drains or confined areas. Prevent dust cloud.

Decontamination: Spill area should be thoroughly flushed with soapy water until all apparent colour is removed.

Environmental Precautionary Measures: Prevent entry into drains and waterways.

PRODUCT NAME:	FLUORESCIEIN
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Evacuation Criteria: Spill or leak area should be isolated immediately. Keep unauthorized personnel away.

HANDLING & STORAGE

Handling: Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust and contact with skin, eyes and clothing. Use personal protective equipment as required (see Exposure Controls & Personal Protection section of this SDS). Dust explosion hazard: keep away from heat and sources of ignition – no smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge.

Storage: Store in a cool, dry and well-ventilated place. Keep container tightly closed. Protect from moisture (hygroscopic). Keep away from heat and sources of ignition – no smoking. Keep away from incompatible materials (see Stability & Reactivity section of this SDS).

Container: Keep in the original container.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Standards: No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: New Zealand WES (particulates not otherwise classified): TWA 10mg/m³ (total); TWA = 3mg/m³ (respirable).

Exposure Limits: No data available.

Biological Limits: No information available.

Engineering Measures: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment: Respiratory Protection: Not normally required. Wear respiratory protection in case of inadequate ventilation or in areas of pigment dusting. Recommended: Approved dust mask/respirator as per AS/NZS 1715 & 1716. Eye/Face Protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side-shields or goggles as per AS/NZS 1336 & 1337. Skin/Body Protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Long sleeved clothing, chemical-resistant apron. Impervious clothing should be worn in case of gross contact, such as large spill clean up as per AS/NZS 2210 & 4501. Gloves should be worn as per AS/NZS 2161.

Work Hygienic Practices: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas thoroughly after handling. Take off contaminated clothing and wash before reuse.

PHYSICAL & CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Fine powder
Odour	Odourless
Colour	Dark brown or orange, yellowish
pH	7 - 10
Solubility	Soluble in water – insoluble in oil
Specific Gravity	0.5 – 1.1
Additional Characteristics	Hygroscopic
Potential for Dust Explosion	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

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Properties That May Initiate or Contribute to Fire Intensity	May be combustible at high temperatures
Reactions that Release Gases or Vapours	Fire or heat may product irritating and/or toxic fumes, including carbon oxides, sodium oxides

STABILITY & REACTIVITY

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Avoid dust formation. Keep away from heat and sources of ignition. Protect from moisture/humidity.

Materials to Avoid: Incompatible/reactive with strong oxidizing agents, acids.

Hazardous Decomposition Products: Fire or heat may product irritating and/or toxic fumes, including carbon oxides, sodium oxides.

Hazardous Polymerization: Does not occur.

TOXICOLOGICAL INFORMATION

General Information: Information on possible routes of exposure: Ingestion – no adverse health effects expected; large amounts may cause nausea and vomiting. Eye contact – irritation not expected. High dust concentrations may cause mechanical irritation, as is typical with any finely divided powder. Skin Contact – irritation is not expected. Not considered to be a skin sensitizer. Inhalation – Not expected to be an inhalation hazard. Excessive levels of dust may result in discomfort following repeated or prolonged exposures. Chronic Effects – not considered to cause damage to health from repeated exposure. Not expected to be genotoxic. Not considered to be toxic to reproduction or development.

ECOLOGICAL INFORMATION

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

DISPOSAL CONSIDERATIONS

Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. This product should be suitable for landfill, however, check with local Waste Disposal Authority before sending there. Note that product properties may have been changed in use, significantly altering its suitability for landfill. Please do NOT dispose into sewers or waterways.

TRANSPORT INFORMATION

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

REGULATORY INFORMATION

HSNO Classifications: 6.5B

EPA Approval: HSR002503 – Additives, Process Chemicals & Raw Materials (Subsidiary Hazard) Group Standard 2020

OTHER INFORMATION

End of SDS.

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