



Red Back Drain Dye Green

Date of issue: 23 January 2025



1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name:	Red Back Drain Dye Green
Code:	RED 402
Recommended use:	Fluorescent, water soluble tracing dye.

2. HAZARDS IDENTIFICATION

classification:	GHS07	
Signal word:	warning	
Hazard statements:		
H312	Harmful in contact with skin	
H332	Harmful if inhaled	
Precautionary statements:		
P260	Do not breath dust/fumes/gas/mist/vapours/spray	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P302+P352	IF ON SKIN: wash with plenty of water.	
P304+P340	IF IN EYES: rinse cautiously with water for several minutes.	
P312	Call a POISON CENTER or doctor/physician if patient feels unwell.	

3. COMPOSITION INFORMATION**Colour Index No:**

mixture

Fluorescein	Acid Yellow 73	45350
Glauber Salt	Sodium Sulphate anhydrous	N/A

Chemical Name:

mixture

Recorcinophthalein, sodium	Sodium Sulphate anhydrous
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CAS Number:

mixture

7757-82-6	518-47-8
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Chemical Family:

Xanthene Dyestuff

Chemical Formula: $C_{20}H_{12}O_5 \cdot Na_2 \cdot Na_2SO_4$ **Molecular Weight:**

376.27

Components

Fluorescein LTS
Sodium Sulphate

Color index

Acid Yellow 73
N/A

Cas No.

518-47-8
7757-82-6

WT%

>60%
<40%

4. FIRST AID MEASURES**Inhalation:**

Remove to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Seek medical advice.

Skin contact:

Wash exposed area with soap and water. Remove contaminated clothing and footwear.
If irritation develops, get medical attention. Wash clothing before reuse.

Eye Contact:

Immediately flush with running water for several minutes while holding eyelids apart to ensure thorough flushing. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

Ingestion:

Do not induce vomiting. Dilute by drinking water or milk. If vomiting occurs, administer more liquids. Never give fluids or induce vomiting if patient is unconscious.

Advice to Doctor:

Treat symptomatically based on individual reactions of patient.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray, dry chemical, foam or carbon dioxide.
Fire fighting procedures:	Wear full protective suit and self-contained breathing apparatus when fighting chemical fires. Use water spray to cool exposed containers.
Special hazards:	If this product is involved in a fire, oxides of carbon, sulphur, and/or sodium may be released.

6. ACCIDENTAL RELEASE MEASURES

Small spill:	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Large spill:	Wear appropriate personal protective equipment. Contain spill and sweep into suitable disposal container. Notify appropriate governmental authorities if spill enters waterways.

7. HANDLING AND STORAGE

Handling precautions:	Handle with due care and avoid personal contact. Since emptied containers retain product residues (vapors, liquid and/or solid), all hazard precautions given in this SDS must be observed. Ensure good ventilation in the workplace.
Storage requirements:	Store at normal temperatures and conditions of warehousing. Keep container closed when not in use. Store away from oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Chemical fume hood with forced ventilation recommended.
General protective measures:	Keep away from foodstuffs. Remove any contaminated clothing and wash before re-use. Wash hands before and after handling product. Avoid contact with eyes and skin.
Eye and face protection:	Safety glasses or splash goggles.
Skin protection:	Protective work clothing. Impervious work gloves.
Breathing apparatus	Use dust mask routinely. In higher concentrations use breathing equipment.
Other:	Good housekeeping practices should include making sure all containers are kept closed and properly stored. Properly maintain an eyewash facility in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Orange-red powder
Odour:	Odourless
Odour threshold:	Not applicable
pH:	9 (at 10g/l in water)
Melting/freezing point:	>300°C
Boiling point:	Not applicable
Flash point:	Not flammable
Sublimation temp.:	Not determined
Flammability:	Not flammable
Explosive limits:	Not determined
Vapor pressure:	Not determined
Vapor density:	Not determined
Bulk density:	625kg/m ³
Solubility:	Readily soluble in water
Partition coefficient:	Log P(ow): -0.67
Auto ignition temp.:	Not applicable
Decomposition temp.:	350°C
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	No information known
Stability:	Stable under normal conditions
Hazardous polymerisation	Will not occur
Materials/conditions to avoid:	Moisture
Incompatible materials	Strong oxidising agents, strong acids, alkalis
Hazardous decomposition products:	Oxides of carbon, sulphur and sodium

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 oral, rat, >5000mg/kg
Ingestion:	Causes nausea, vomiting and diarrhoea. May cause irritation to the gastro-intestinal tract.
Skin irritation or corrosion:	May cause skin irritation.
Eye irritation or corrosion:	May cause eye irritation.
Respiratory or skin sensitisation:	May cause respiratory irritation.
Germ cell mutagenicity:	No evidence of mutagenic properties.
Carcinogenicity:	Not identified as a carcinogen by the IARC.
Reproductive toxicity:	Not determined

Specific target organ toxicity:**single exposure:**

Eyes

May cause eye irritation

Skin

Causes skin irritation

Lungs

May cause respiratory irritation

repeated exposure:

None known

Aspiration hazard:

None known

Additional information:

Acute and chronic toxicity of this substance is not fully known. Exposure to any chemical should be kept to a minimum. Always follow safe industrial hygiene practices.

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Considered safe

Persistence and degradability:

Degrades naturally in sunlight

Bioaccumulation potential:

Unlikely, log P(ow) < 1.0

Mobility in soil:

No information known

Other adverse effects:

None known

13. DISPOSAL CONSIDERATIONS**Product:**

Where possible, recycle unused product to process. Dispose of unused product to authorised hazardous waste facility in accordance with local regulations.

Packaging:

Empty containers must be disposed of in accordance with local regulations.

Recommended cleaning agent:

Water

Further information:

All recovered materials should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable local laws and regulations.

14. TRANSPORT INFORMATION

UN number:	Not Applicable
ADG code:	Not Applicable
RID:	Not Applicable
IATA DGR:	Not Applicable
IMGD:	Not Applicable
DOT Classification:	Not a DOT controlled material (United States)
Shipping name:	Fluorescein
ADG code:	Not Applicable
RID:	Not Applicable
IATA DGR:	Not Applicable
IMGD:	Not Applicable
Transport hazard class:	Not Applicable
ADG code:	Not Applicable
RID:	Not Applicable
IATA DGR:	Not Applicable
IMGD:	Not Applicable
Packaging group:	
ADG code:	Not Applicable
RID:	Not Applicable
IATA DGR:	Not Applicable
IMGD:	Not Applicable
Environmental hazards for transport purposes:	
ADG code:	Not Applicable
RID:	Not Applicable
IATA DGR:	Not Applicable
IMGD:	Not Applicable
Special precautions for user:	Not applicable
Hazchem emergency code:	Not applicable
	This product is not subject to current regulations for transportation of dangerous goods (ADG, RID, IMDG, IATA DGR).

15. REGULATORY INFORMATION

AICS:	Listed
SUSMP:	Not listed
IARC:	Not listed
State and local regulations:	Handling and use of this product must be in accordance with local, state and federal regulations relating to correct practise and must comply with Work, Health & Safety provisions in the jurisdiction it is being used.

16. OTHER INFORMATION

SAFETY DATA SHEET - Red Back Drain Dye - (Green)

ADG	Australian Dangerous Goods code for transport of dangerous goods by road or rail, 7th edition
AICS	Australian Inventory of Chemical Substances
IMDG	International Maritime Dangerous Goods code
IATA DGR	International Air Transport Association Dangerous Goods Regulations
RTECS	the Registry of Toxic Effects of Chemical Substances
RID	International carriage of dangerous goods by rail regulations

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