

**AQUARIUS RUBBER (AUST) PTY LTD**

Red Back Drain Dye Green

Date of issue: 25 October 2021

**1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION**

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

**Details of the supplier of the safety data sheet · Manufacturer/Supplier:**

Aquarius Rubber (Aust) PTY LTD

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FOR CHEMICAL EMERGENCY CALL POISONS INFORMATION CENTRE : 13 11 26

**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**

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

**6. ACCIDENTAL RELEASE MEASURES**

<b>Small spill:</b>	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
<b>Large spill:</b>	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**

<b>Handling precautions:</b>	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.
<b>Storage requirements:</b>	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**

<b>Engineering controls:</b>	Chemical fume hood with forced ventilation recommended.
<b>General protective measures:</b>	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.
<b>Eye and face protection:</b>	Safety glasses or splash goggles.
<b>Skin protection:</b>	Protective work clothing. Impervious work gloves.
<b>Breathing apparatus</b>	Use dust mask routinely. In higher concentrations use breathing equipment.
<b>Other:</b>	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**

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

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION**

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

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

**15. REGULATORY INFORMATION**

<b>AICS:</b>	Listed
<b>SUSMP:</b>	Not listed
<b>IARC:</b>	Not listed
<b>State and local regulations:</b>	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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