### Alizarin Yellow R, Sodium Salt



Section 1

**Product Description** 

**Product Name:** Alizarin Yellow R, Sodium Salt **Recommended Use:** Science education applications

Synonyms: Mordant Yellow 3R

Distributor: Carolina Biological Supply Company

2700 York Road, Burlington, NC 27215

1-800-227-1150

**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)

Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**GHS Classification:** 

Other Safety Precautions: May cause irritation.

> May cause gastrointestinal discomfort. May cause irritation to respiratory tract.

May cause irritation to skin.

**Acute Toxicity Oral Contains Acute Toxicity Dermal Contains Acute Toxicity Inhalation Gas** 

**Contains** 

**Acute Toxicity Inhalation Vapor** 

Contains

**Acute Toxicity Inhalation Dust/Mist** 

**Contains** 

100 % of the mixture consists of ingredient(s) of unknown toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity

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Section 3

Composition / Information on Ingredients

Chemical Name Alizarin yellow R (50-78-2) CAS# 1718-34-9 %\_ 100

Section 4

First Aid Measures

**Emergency and First Aid Procedures** 

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Eves: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: After contact with skin, wash immediately with plenty of water.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5

Firefighting Procedures

**Extinguishing Media:** Use media suitable to extinguish surrounding fire.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained

breathing apparatus.

Fire and/or Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide, Nitrogen oxides

Section 6

Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled:

No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS

Ventilate the contaminated area. Avoid the generation of dusts during clean-up.

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the

recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Vacuum or sweep up material and place in a disposal container

**Section 7** 

### **Handling and Storage**

Handling: Keep container tightly closed in a cool, well-ventilated place. Keep container tightly closed in a cool, well-ventilated place. Storage:

Storage Code: Green - general chemical storage

Section 8 Protection Information

> **ACGIH OSHA PEL**

**Chemical Name** (TWA) (STEL) (TWA) (STEL) No data available N/A N/A N/A N/A

**Control Parameters** 

**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation

might be required to maintain operator comfort under normal conditions of use. General room or local exhaust ventilation is usually required to meet employee exposure standards and/or to ensure employees are not overexposed to airborne material as

described in Section III.

Personal Protective Equipment (PPE):

Lab coat, apron. eve wash, safety shower. **Respiratory Protection:** 

No respiratory protection required under normal conditions of use. Wear a NIOSH

approved respirator if levels above the exposure limits are possible.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station

available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective

equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

work.

Gloves: Nitrile

Section 9

# Physical Data

Formula: C13H8N3O5Na Molecular Weight: N/A Appearance: Solid Odor: No data available

Odor Threshold: No data available

**pH:** No data available

Melting Point: No data available 250 C Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: N/A

Vapor Pressure: 10.7

Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): 10.7

Specific Gravity: >1 Solubility in Water: Soluble

Log Pow (calculated): No data available Autoignition Temperature: No data available **Decomposition Temperature:** No data available

Viscosity: No data available Percent Volatile by Volume: N/A

Section 10

### Reactivity Data

Reactivity: No data available

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Dusting. Sparks, open flame, other ignition sources, and elevated temperatures.

Incompatible Materials: Strong oxidizing agents

**Hazardous Decomposition Products:** Nitrogen oxides, Carbon dioxide, Carbon monoxide

**Hazardous Polymerization:** Will not occur

Section 11

### Toxicity Data

Routes of Entry Inhalation and ingestion.

Symptoms (Acute): Respiratory disorders
Delayed Effects: No data available

**Acute Toxicity:** 

Chemical NameCAS NumberOral LD50Dermal LD50Inhalation LC50No data available1718-34-9Not determinedNot determinedNot determined

Carcinogenicity:

Chemical NameCAS NumberIARCNTPOSHANo data available1718-34-9Not listedNot listedNot listed

**Chronic Effects:** 

**Mutagenicity:** No evidence of a mutagenic effect.

**Teratogenicity:** No evidence of a teratogenic effect (birth defect).

**Sensitization:** No evidence of a sensitization effect.

**Reproductive:** No evidence of negative reproductive effects.

**Target Organ Effects:** 

Acute: See Section 2

**Chronic:** Not listed as a carcinogen by IARC, NTP or OSHA.

### Section 12 Ecological Data

**Overview:** This material is not expected to be harmful to the ecology.

Mobility:No dataPersistence:No dataBioaccumulation:No dataDegradability:No dataOther Adverse Effects:No data

Chemical Name CAS Number Eco Toxicity

N/A 1718-34-9

#### Section 13 Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always

contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

### Section 14 Transport Information

Ground - DOT Proper Shipping Name:

N/A

Air - IATA Proper Shipping Name:

Not regulated for air transport by IATA.

# Section 15 Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

Chemical Name CAS § 313 Name § 304 RQ CERCLA RQ § 302 TPQ CAA 112(2)

Number TQ

No data available 1718-34-9 No No No No No No

### Section 16 Additional Information

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

**Glossary** 

ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health