



# UNISOURCE CHEMICALS PRIVATE LIMITED

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## ALIZARIN YELLOW R FREE ACID

### Material Safety Data Sheet

#### **1. PRODUCT IDENTIFICATION:**

**Synonyms:** Alizarin Yellow R ; 5-(P-Nitrophenylazo) Salicylic Acid P-Nitrobenzeneazosalicylate  
C.I. Mordant Orange 1 ; C.I. 14030-2-Hydroxy-5-[(4-Nitrophenyl)azo] benzoic acid.

**CAS No:** 2243-76-7.

**Molecular Weight:** 287.23.

**Chemical Formula:** C<sub>13</sub>H<sub>8</sub>N<sub>3</sub>NaO<sub>5</sub>.

#### **2. COMPOSITION/INFORMATION INGREDIENTS:**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Alizarin Yellow Free Acid	2243-76-7		No

#### **3. HAZARDOUS IDENTIFICATION:**

##### **Emergency Overview**

**Appearance:** Brown yellow, red brown or brown solid. **CAUTION!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

**Target Organs:** No data found.

##### **Potential Health Effects:**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

**Chronic:** No information found.

#### **4. FIRST AID MEASURES:**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Ingestion: Do not** induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. **Never** give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

#### **5. FIRE FIGHTING MEASURES:**

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray.

**Flash Point:** Not applicable.

**Auto-ignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (Estimated) Health: 1; Flammability: 0; Instability: 0

## **6. ACCIDENTAL RELEASE MEASURES:**

**General Information:** Use proper personal equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment Section. Avoid generating dusty conditions. Provide ventilation.

## **7. HANDLING AND STORAGE:**

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

## **8. EXPOSURE CONTROLS, PERSONAL PROTECTION:**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Exposure Limits**

<b><u>Chemical Name</u></b>	<b><u>ACGIH</u></b>	<b><u>NIOSH</u></b>	<b><u>OSHA - Final PELs</u></b>
Alizarin Yellow R	None listed	None listed	None listed.
Free Acid			

**OSHA Vacated PELs:** Alizarin Yellow R Free Acid: No OSHA Vacated PELs are listed for this chemical.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA Respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance:** Brown powder.

**Odor:** Odorless.

**pH:** Not available.

**Vapor Pressure:** No data available.

**Vapor Density:** No data available.

**Evaporation Rate:** No data available.

**Viscosity:** Not available.

**Boiling Point:** Decomposes.

**Melting Point:** >300 C.

**Decomposition Temperature:** Not available.

**Solubility:** Soluble in methyl cellosolve; de-ionized water; slightly soluble in ethanol and acetone.

**Specific Gravity/Density:** No data available.

**Molecular Formula:** C<sub>13</sub>H<sub>9</sub>N<sub>3</sub>O<sub>5</sub>.

**Molecular Weight:** 287.23.

## **10. STABILITY AND REACTIVITY:**

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## **11. TOXICOLOGICAL INFORMATION:**

**RTECS#:** CAS# 2243-76-7.

**LD50/LC50:** Not available.

**Carcinogenicity:** CAS# 2243-76-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** No information found.

**Teratogenicity:** No information found.

**Reproductive Effects:** No information found.

**Neurotoxicity:** No information found.

**Mutagenicity:** No information found.

**Other Studies:** No data available.

## **12. ECOLOGICAL INFORMATION:**

No information available.

## **13. DISPOSAL CONSIDERATIONS:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## **14. TRANSPORT INFORMATION:**

No information available.

## **15. REGULATORY INFORMATION:**

### **US FEDERAL**

TSCA CAS# 2243-76-7 is listed on the TSCA inventory.

### **Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

### **Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

### **Section 12b**

None of the chemicals are listed under TSCA Section 12b.

### **TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

### **SARA**

**Section 302 (RQ) & Section 302 (TPQ)**

None of the chemicals in this material/product have an RQ or TPQ.

**SARA Codes**

CAS# 2243-76-7: reactive.

**Section 313**

No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 2243-76-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

**EUROPEAN/INTERNATIONAL REGULATIONS**

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:** Not available.

**WGK (Water Danger/Protection)**

CAS# 2243-76-7: No information available.

**Canada - DSL/NDSL**

CAS# 2243-76-7 is listed on Canada's DSL List.

**Canada - WHMIS**

WHMIS: Not available.

**Canadian Ingredient Disclosure List**

**Exposure Limits**

**16. DISCLAIMER INFORMATION:**

**DISCLAIMER:**

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