

Material Safety Data Sheet

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24 Hour Emergency Assistance**

| Section 1 Identification | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------|---|---------------|---|-------------|---|----------------|--|-----------------|---|---------------|---|-----------------|---|-------------|---|----------------|---|--|--|
| Product Number: | C1161 | | | | | | | | | | | | | | | | | | | | |
| Product Name: | Alizarin Yellow R (Mordant Orange 1) Reagent Grade | | | | | | | | | | | | | | | | | | | | |
| Trade/Chemical Synonyms | | | | | | | | | | | | | | | | | | | | | |
| Formula: | C ¹⁴ H ¹⁰ N ² O | | | | | | | | | | | | | | | | | | | | |
| RTECS: | VO5310000 | | | | | | | | | | | | | | | | | | | | |
| C.A.S | CAS# 2243-76-7 | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Health:</td> <td>3</td> </tr> <tr> <td>Flammability:</td> <td>1</td> </tr> <tr> <td>Reactivity:</td> <td>0</td> </tr> <tr> <td colspan="2">Hazard Rating:</td> </tr> <tr> <td>Least Hazardous</td> <td>0</td> </tr> <tr> <td>Slight Hazard</td> <td>1</td> </tr> <tr> <td>Moderate Hazard</td> <td>2</td> </tr> <tr> <td>High Hazard</td> <td>3</td> </tr> <tr> <td>Extreme Hazard</td> <td>4</td> </tr> <tr> <td colspan="2">NA = Not Applicable NE = Not Established</td> </tr> </table> | | Health: | 3 | Flammability: | 1 | Reactivity: | 0 | Hazard Rating: | | Least Hazardous | 0 | Slight Hazard | 1 | Moderate Hazard | 2 | High Hazard | 3 | Extreme Hazard | 4 | NA = Not Applicable NE = Not Established | |
| Health: | 3 | | | | | | | | | | | | | | | | | | | | |
| Flammability: | 1 | | | | | | | | | | | | | | | | | | | | |
| Reactivity: | 0 | | | | | | | | | | | | | | | | | | | | |
| Hazard Rating: | | | | | | | | | | | | | | | | | | | | | |
| Least Hazardous | 0 | | | | | | | | | | | | | | | | | | | | |
| Slight Hazard | 1 | | | | | | | | | | | | | | | | | | | | |
| Moderate Hazard | 2 | | | | | | | | | | | | | | | | | | | | |
| High Hazard | 3 | | | | | | | | | | | | | | | | | | | | |
| Extreme Hazard | 4 | | | | | | | | | | | | | | | | | | | | |
| NA = Not Applicable NE = Not Established | | | | | | | | | | | | | | | | | | | | | |

| Section 2 Component Mixture | | | | | |
|-----------------------------|--------------------------------------|----------------|------|-----|------------------|
| Sar 313 | Component | CAS Number | % | Dim | Exposure Limits: |
| <input type="checkbox"/> | Alizarin Yellow R (Mordant Orange 1) | CAS# 2243-76-7 | 100% | W/W | None established |

Section 3 Hazard Identification (Also see section 11)

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water.

Section 6 Accidental Release Measures

Remove all ignition sources. Ventilate area of leak or spill. May require protection from inhalation of dust. Clean up in a manner that does not disperse dust into air.

Section 7 Handling and Storage

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection: Dust mask

Mechanical Ventilation:

Local Exhaust:

Hand Protection: NIOSH Approved Gloves

Eye Protection: Safety Glasses

Other Protective Equipment: Use safe laboratory handling procedures.

Section 9 Physical and Chemical Properties

Melting Point: information not available

Boiling Point: information not available

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: Soluble

Appearance and Odor: Dark orange powder / slight odor

Flash Point: information not available

Specific Gravity: information not available

Percent Volatile by Volume: N/A

Evaporation Rate: N/A

Evaporation Standard: Auto ignition Temperature: N/E

Lower Flamm. Limit in Air: N/E

Upper Flamm. Limit in Air: N/E

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: None

Vomiting may occur spontaneously, but DO NOT INDUCE!
Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

| | |
|--------------------------|--|
| Fire Extinguisher Type: | Any means suitable for extinguishing surrounding fire |
| Fire/Explosion Hazards: | As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| Fire Fighting Procedure: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing. |

Materials to Avoid:
Hazardous Decomposition Products:
Not known to occur
Hazardous Polymerization: Will Not Occur
Condition to Avoid: None known

Section 11 Additional Information

Conditions aggravated/Target organs:
Persons with preexisting skin, eye, or respiratory disorders or allergies may be more susceptible. Acute: Irritation to skin, eyes, lungs, mucous membranes, and GI tract. Allergic reaction possible. Stains skin. Chronic: Dermatitis.

DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

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| Revision No:0 | Date Entered: 9/1/2006 | Approved by: WPF |
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