

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Catalog Numbers: UR3000-H, UR3000-E, UR3000-I, UR3000-J, UR3000-K, UR3000-M

Product Identity: Fluorescein Dye

Chemical Family: Not Applicable

Synonyms: Uranin, disodium salt.

Recommended Use: Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331

Emergency Contact Number (24hr): Chemtel (800) 255-3924

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Section 2 – Hazard Identification

Emergency Overview: Caution! May cause respiratory tract irritation. May cause eye and skin irritation.

Appearance: Rust/Orange Powder

Odor: Odorless

Target Organs: Eyes

Potential Health Effects/ Routes of Exposure:

Eyes: May cause mild eye irritation.

Skin: May cause mild irritation. May be harmful if absorbed into skin.

Ingestion: May be harmful if swallowed. Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: May cause irritation of respiratory tract. May be harmful if inhaled.

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions No information available

These chemicals are not considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 –Composition, Information on Ingredients

Fluorescein, disodium salt, anhydrous CAS# 518-47-8, 100% w/v

Section 4 – First Aid

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Ingestion: Do not induce vomiting. Obtain medical attention

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable **Autoignition Temperature** No information available.

Explosion Limits Upper No data available **Lower** No data available

Extinguishing Media: Use water spray, appropriate foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: No information available

Fire & Explosion Hazards: This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information Available

Sensitivity to mechanical impact No information available.

Sensitivity to static discharge No information available.

Specific Hazards Arising from the Chemical: No information available

NFPA Rating: (estimated) Health: 1; Flammable: 1; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

Environmental Precautions No Information Available

Methods for Containment and Clean Up Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

Section 7 – Handling and Storage

Handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8 – Exposure Controls, Personal Protection

Fluorescein, disodium salt, anhydrous CAS# 518-47-8, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.

Eye/Face Protection: Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate.

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Rust/Orange Powder

Odor: Odorless

Boiling Point: No Information Available

Melting Point: Approx 320C

Vapor Density: No Information Available

Evaporation Rate: No Information Available

pH: Not Applicable

Flammability: No Information Available

Solubility: Soluble in water
available

Relative Density: No Information Available

% Volatility: No Information Available

Specific Gravity: No Information Available

Vapor Pressure: No Information Available

Flash Point: No Information Available

Coefficient of water/oil distribution: Not Available

Odor Threshold: Not Available

Decomposition Temperature: >252C

Partition Coefficient n-octanol/water: No data

Molecular Weight: 376.27

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Conditions to Avoid: Extreme temperatures

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO₂), Sodium Oxide

Hazardous Polymerization: Does not occur

Hazardous Reactions: No information available.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2

LD50 oral-rat: 6721mg/kg

LC50 inhalation-rat: NA

Irritation: No Information Available

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity Fluorescein, disodium salt – Not listed as a carcinogen (ACGIH, IARC, NTP, or CA Prop 65)

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Effects No Information available.

Developmental Effects (Immediate/Delayed) No information available.

Teratogenicity No information available.

Other Adverse Effects No information available.

Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: No Information Available

Persistence and Degradability: No Information Available

Mobility: No Information Available

Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Containerize for disposal.

Section 14 – Transport Information

DOT – Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: These chemicals are listed on Canada's DSL list.

TSCA: These chemicals are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable

WHMIS: E: Not Applicable

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.