

# SAFETY DATA SHEET: FLUORESCEIN, Dye Solution

## 1. IDENTIFICATION

Product Name: FLUORESCEIN, Dye Solution  
Synonyms:  
Formula and Formula Weight: Mixture NA  
Integra numbers beginning with: F580.7A  
Recommended Use: Commercial/industrial use  
Restrictions on Use: No information available

INTEGRA Chemical Company **24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)**

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## 2. HAZARDS IDENTIFICATION

| <u>OSHA Classification:</u> | <u>Hazard Category:</u> | <u>Hazard Statement:</u> |
|-----------------------------|-------------------------|--------------------------|
| None identified             | Not applicable          | Not applicable           |

Hazards Not Otherwise Classified: No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u>         | <u>Synonyms</u>                    | <u>CAS #</u> | <u>% Weight</u> |
|--------------------------|------------------------------------|--------------|-----------------|
| Water                    |                                    | 07732-18-5   | 98              |
| Fluorescein, sodium salt | Acid yellow #73; Uranine; CI#45350 | 00518-47-8   | 2               |

## 4. FIRST AID MEASURES

Inhalation: Remove person to fresh air.  
Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.  
Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.  
Ingestion: If conscious, rinse mouth and give victim large amounts of water. Seek medical attention.  
Additional notes:

## 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Material is not flammable. Use extinguishing media suitable to surrounding materials.  
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.  
Specific Hazards: None identified  
Hazardous combustion products: None identified

## 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Prevent spread of spill. Absorb with sand or inert material. Sweep or scoop into a disposal container. Flush spill area with water.

## 7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong acids.  
Storage and Handling: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Protect from direct light and minimize contact with air.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

|                          |                 |
|--------------------------|-----------------|
| Water                    | None identified |
| Fluorescein, sodium salt | None identified |

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.  
Respiratory Protection: If use generates annoying or irritating dusts, mists or vapors, use a NIOSH approved respirator with a particulate filter.  
Skin/Eye Protective Equipment: Safety glasses.  
Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, dark reddish orange liquid  
Odor: No odor  
Odor Threshold: Not available  
pH: Not available  
Melting/Freezing Point: Not available

|                                          |                      |
|------------------------------------------|----------------------|
| Initial Boiling Point and Boiling Range: | Not available        |
| Flash Point:                             | Not available        |
| Evaporation Rate:                        | Not available        |
| Flammability:                            | Not available        |
| Flammable or Explosive                   | Upper: Not available |
| Limits (% by volume in air)              | Lower: Not available |
| Vapor Pressure:                          | Not available        |
| Vapor Density:                           | Not available        |
| Relative Density:                        | Not available        |
| Solubility:                              | Miscible with water  |
| Partition Coefficient: n-octanol/water   | Not available        |
| Auto-Ignition Temperature:               | Not available        |
| Decomposition Temperature:               | Not available        |
| Viscosity:                               | Not available        |

#### 10. STABILITY AND REACTIVITY

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Reactivity:                         | No information available                |
| Stability:                          | Stable                                  |
| Possibility of Hazardous Reactions: | Hazardous polymerization will not occur |
| Conditions to Avoid:                | Excessive heat and exposure to light.   |
| Incompatibles:                      | Incompatible with strong acids.         |
| Decomposition Products:             | None identified                         |

#### 11. TOXICOLOGICAL INFORMATION

##### Effects of Over Exposure:

|                       |                 |
|-----------------------|-----------------|
| Inhalation:           | None identified |
| Skin Contact:         | None identified |
| Eye Contact:          | None identified |
| Ingestion:            | None identified |
| Chronic Effects:      | None identified |
| Target Organs:        | None identified |
| Additional Effects:   | None identified |
| Reproductive Effects: | None identified |
| Carcinogenicity:      | None identified |

##### Toxicity Data:

|                          |                          |            |
|--------------------------|--------------------------|------------|
| Water                    | No information available |            |
| Fluorescein, sodium salt | LD50 (oral, rat)         | 6721 mg/kg |

#### 12. ECOLOGICAL INFORMATION

|                                |                                     |                                   |
|--------------------------------|-------------------------------------|-----------------------------------|
|                                | <u>Aquatic Toxicity Data:</u>       | <u>Terrestrial Toxicity Data:</u> |
| Water                          | No information available            | No information available          |
| Fluorescein, sodium salt       | LC50 Rainbow trout: 1372 mg/L - 96h | No information available          |
| Persistence and degradability: | No information available            |                                   |
| Bioaccumulative potential:     | No information available            |                                   |
| Mobility in soil:              | No information available            |                                   |
| Other adverse effects:         | No information available            |                                   |

#### 13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

#### 14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transportation.

|                        |                          |
|------------------------|--------------------------|
| Environmental hazards: | No information available |
| Special precautions:   | No information available |
| Bulk transport:        | No information available |

#### 15. REGULATORY INFORMATION

Fluorescein, sodium salt is listed in the TSCA inventory.

#### 16. OTHER INFORMATION

OSHA SDS #: 25661 rev 101 3/27/2015

NE = Not established, NA = Not applicable or Not available

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\*\*\*\*\* END OF SDS \*\*\*\*\*