

1. Product and Company Identification

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Product Name 4',5'-DIBROMOFLUORESCIN
Part Number RXSOL-69-5960-320

Synonyms: C.I. 45370.1, Solvent Red 72, 4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H), 9'[9 H] xanthen]-3-one; Acid Orange 11; Fluorescein, 4'5'-dibromo-

Weight: 490.11. **Formula:** C₂₀H₁₀Br₂O₅

Company Details:

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2. Composition / Information on ingredients

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Name of Substance	Cas Number
4',5'-Dibromofluorescein	596-03-2

3. Hazards Identification

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SignalWord Warning
Hazard Statements H301: Toxic if swallowed.
Precautionary statements P264: wash skin thoroughly after handling
P330: Rinse Mouth
P270: Do not drink, eat, smoke, when using this product.
P405: Store locked up.
P301 + P310:If Swallowed: Immediately Call Poison Center or doctor/physician
P321: Specific treatment (see supplemental first aid instructions)
P501: Dispose of contents/container to an approved waste disposal plant.
HMIS Classification: Health hazard 2, Flammability 0, Physical hazards 0
NFPA Rating: Health hazard 2, Fire 0, Reactivity hazard 0
Potential Health Effects: **Eye:** May cause eye irritation. **Skin:** May cause skin irritation. **Ingestion:** May cause irritation of the digestive tract. **Inhalation:** cause irritation of respiratory tract. The toxicological properties of this material have not been fully investigated.

4. First Aid Measures

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Eye Contact	Flush eyes with plenty of water as a precaution.
Skin Contact	If contact, flush skin with plenty of soap & water.
Ingestion:	If victim is conscious and alert, give water to rinse anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air immediately. If not breathing, give first aid.
Notes to Physician:	Treat symptomatically and supportively.

5. Fire-fighting Measures

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General Information:

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

Special Hazards Arising:

Carbon oxides, hydrogen bromide.

Extinguishing media

Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Flash Point:

Not available

Auto-ignition Temp:

Not available

Explosion, Limits:

Not available

6. Accidental Release Measures

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General Information:

Use proper PPE as indicated in Section 8.

Spill/Leaks:

Clean up spills immediately, observing precautions in Section 8. Use a non-combustible material to absorb material, then place into a suitable clean, dry container. Avoid generating dusty conditions. Provide ventilation.

7. Handling and Storage

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Handling

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and avoid breathing dust or fumes. Keep container tightly closed. Avoid ingestion.

Storage

Store in a tightly closed container. Store in a cool, dry place away from incompatible substances.

8. Exposure controls and personal protection

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Engineering Control

Facilities utilizing this material should be equipped with adequate ventilation to keep airborne concentrations below exposure limits.

CHEMICAL NAME	ACGIH TLV
4,4'-Dibromofluorescein	None listed

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety glasses according to OSHA and face protection regulations in 29 CFR 1910.133. **Hand:** Wear appropriate protective gloves to prevent skin exposure. **Respirators:** A respirator is not required unless OSHA regulations 1910.134 and ANSI Z88.2 requirements or European Standard EN 149:2001+A1:2009 requirements are met. Workplace conditions warrant a respirator use.



Gloves

Suit

9. Physical and chemical properties

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State :	Powder
Appearance:	Orange
Odour	None
pH	No Data
Vapor Pressure & Density:	No Data
Evaporation Rate:	No Data
Viscosity:	No Data
Boiling Point:	760.00mm Hg
Melting Point:	270-273°C
Decomposition Temperature:	No Data
Solubility:	Slightly soluble
Density:	No Data

10. Stability and reactivity

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Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, dust generation, strong oxidants.
Incompatibilities:	Oxidizing agents
Hazardous Decomposition Products:	see section 5

11. Toxicological information

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