

Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: 5(6)-FAM [5-(and-6)-Carboxyfluorescein] *CAS 72088-94-9*
Product number: 100

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.
Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588
Telephone: (408)-733-1055
Fax: (408)-733-1304
Email: info@aatbio.com

1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300
Chemtrec (Outside USA): 1-(703)-527-3887

Section 2: Hazard identifications

2.1 Classification of the substance or mixture

Not hazardous

2.2 Label elements

Signal word: Not applicable
Hazard statements: Not applicable
Symbols/Pictograms: Not applicable
Precautionary statements - prevention: Not applicable
Precautionary statements - response: Not applicable
Precautionary statements - storage: Not applicable
Precautionary statements - disposal: Not applicable

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Hazards not otherwise classified (HNOC): Not available

2.4 Other information

Other hazards:

Principle Routes of Exposure/ Potential Health effects: Eyes - May cause eye irritation with susceptible persons. Skin - May cause skin irritation in susceptible persons. Inhalation - May be harmful by inhalation. Ingestion - May be harmful if swallowed. Specific effects: Carcinogenic effects - none; Mutagenic effects - none; Reproductive toxicity - none; Sensitization - none. Target Organ Effects - No known effects under normal use conditions.

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name:	5(6)-FAM [5-(and-6)-Carboxyfluorescein] *CAS 72088-94-9*
CAS number:	72088-94-9
Molecular weight:	376.32
Formula:	Not available

Section 4: First aid measures

4.1 First-aid measures

General advice:	If symptoms occur, seek medical advice/attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin contact:	Rinse with plenty of water. If symptoms arise, call a physician.
Inhalation:	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Ingestion:	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Self-protection of the first aider:	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	No information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians:	Treat symptomatically.
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Section 5: Firefighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media:	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable extinguishing media:	No information available.

5.2 Specific hazards arising from the chemical

Specific hazards arising from the chemical:	No information available.
Hazardous combustion products:	No information available.

5.3 Explosion data

Sensitivity to mechanical impact:	No information available.
Sensitivity to static discharge:	No information available.

5.4 Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus and protective suit.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions:

Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions:

Prevent further leakage or spillage if safe to do so. See Section 12 for additional information.

6.3 Methods and material for containment and cleaning up

Methods for containment:

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up:

Take up mechanically and collect in suitable container for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Always recommended Personal Protective Equipment. No special handling advice required.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep in a dry, cool and well-ventilated place.

Incompatible materials:

No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure guidelines:

We are not aware of any national exposure limit. Chemical Name: 3',6'-Dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-ar-carboxylic acid; OSHA PEL none; OSHA PEL (Ceiling) none; ACGIH OEL (TWA) none; ACGIH OEL (STEL) none.

8.2 Appropriate engineering controls

Engineering controls:

Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:

Safety glasses with side-shields.

Skin and body protection:

Lightweight protective clothing.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Physical state:

Solid

Solubility in water:

Low

Appearance:

No information available.

Odor/odor threshold:

No information available

pH:

No information available.

Melting point/freezing point:

°C no data available / °F no data available

Boiling point:

°C no data available / °F no data available

Flashpoint:	°C no data available / °F no data available
Liquid density:	No information available.
Evaporation rate:	No information available.
Upper flammability limit:	No information available.
Lower flammability limit:	No information available.
Vapor pressure:	No information available.
Vapor density:	No information available.
Specific gravity:	No information available.
Water solubility:	no data available
Solubility in other solvents:	No information available.
Partition coefficient:	No information available.
Autoignition temperature:	°C no data available / °F no data available
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.

Section 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Hazardous polymerization:	Hazardous polymerisation does not occur.
Conditions to avoid:	No information available.
Incompatible materials:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	None under normal use

Section 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation:	May be harmful by inhalation.
Eye contact:	May cause eye irritation with susceptible persons.
Skin contact:	May cause skin irritation in susceptible persons.
Ingestion:	May be harmful if swallowed.

11.2 Information on toxicological effects

Symptoms:	No information available.
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11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:	Carcinogenic effects - none; Mutagenic effects - none; Reproductive toxicity - none; Sensitization - none. Target Organ Effects - No known effects under normal use conditions.
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11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:

Acute toxicity. Chemical Name: 3',6'-Dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-ar-carboxylic acid; LD50 (oral,rat/mouse) no data available; LD50 (dermal,rat/rabbit) no data available; LC50 (inhalation,rat/mouse) no data available.

Section 12: Ecological information

Ecotoxicity:	Ecotoxicity effects. No information available.
Persistence and degradability:	Biodegradation. Inherently biodegradable
Bioaccumulation:	Bioaccumulation. Does not bioaccumulate.
Mobility:	No information available.

Section 13: Disposal consideration

Disposal of wastes:	Dispose of in accordance with local regulations.
Contaminated packaging:	Do not reuse container.
Other information:	None

Section 14: Transport information

DOT:	Not regulated
IMDG:	Not regulated
IATA:	IATA. Proper shipping name: Not classified as dangerous in the meaning of transport regulations. Hazard class: none. Subsidiary Class: none. Packing group: none. UN-No: None.

Section 15: Regulatory information

15.1 International Inventories

US Toxic Substances Control Act (TSCA):	Component: 3',6'-Dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-ar-carboxylic acid 72088-94-9 (60-100); TSCA Listed
Canada (DSL/NDSL):	Not listed
Europe (EINECS/ELINCS/NLP):	Not listed
Australia (AICS):	Not listed
South Korea (KECL):	Not listed
China (IECSC):	Not listed
Japan (ENCS):	Not listed
Phillipines (PICCS):	Not listed

15.2 US Federal Regulations

SARA 313:	This product is not regulated by SARA.
SARA 311/312 components:	Not listed
CWA (Clean Water Act):	No information available.

15.3 US State Regulations

California Proposition 65:	This product does not contain chemicals listed under Proposition 65
Massachusetts-RTK:	Massachusetts - RTK: -
New Jersey-RTK:	New Jersey - RTK: -
Pennsylvania-RTK:	Pennsylvania - RTK: -

U.S. State Right-To-Know Regulations:

U.S. State Regulations table — Chemical Name: 3',6'-Dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-ar-carboxylic acid; Massachusetts - RTK: -; New Jersey - RTK: -; Pennsylvania - RTK: -; Illinois - RTK: -; Rhode Island - RTK: -. Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs. WHMIS Hazard Class: Non-controlled. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Section 16: Other information

16.1 HMIS

Health hazards:	Not determined
Flammability:	Not determined
Reactivity:	Not determined
Personal protection:	Not determined

16.2 NFPA

Health hazards:	Not determined
Flammability:	Not determined
Stability:	Not determined
Physical and chemical properties:	Not determined

16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.