

Safety Data Sheet

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

1.1 Product identifiers

Product name: 5-FAM [5-Carboxyfluorescein] *CAS 76823-03-5*
Product number: 103

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: None known.

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name:	5-FAM [5-Carboxyfluorescein] *CAS 76823-03-5*
CAS number:	76823-03-5
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:	After eye contact: rinse out with plenty of water. Remove contact lenses.
Skin contact:	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Inhalation:	After inhalation: fresh air.
Ingestion:	After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Self-protection of the first aider:	For personal protection see section 8.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
-----------	---

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians:	No data available
---------------------	-------------------

Section 5: Firefighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	For this substance/mixture no limitations of extinguishing agents are given.

5.2 Specific hazards arising from the chemical

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

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:	In the event of fire, wear self-contained breathing apparatus.
--	--

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions:

Advice for non-emergency personnel: Avoid inhalation of dusts.
Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions:

Do not let product enter drains.

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:

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Further information on storage conditions: Tightly closed. Dry. Storage class: 11, Combustible Solids. Recommended storage temperature: Recommended storage temperature see product label. Further information on storage stability: Light sensitive.

Incompatible materials:

No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure guidelines:

Ingredients with workplace control parameters: Contains no substances with occupational exposure limit values.

8.2 Appropriate engineering controls

Engineering controls:

No data available

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Safety glasses

Skin and body protection:

Hand protection: Material: Nitrile rubber, Break through time: 480 min, Glove thickness: 0.11 mm, Protective index: Full contact, Manufacturer: KCL 741 Dermatrill® L; Material: Nitrile rubber, Break through time: 480 min, Glove thickness: 0.11 mm, Protective index: Splash contact, Manufacturer: KCL 741 Dermatrill® L; Remarks: Handle with impervious gloves. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Respiratory protection:	required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P1 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
General hygiene considerations:	Change contaminated clothing. Wash hands after working with substance.

Section 9: Physical and chemical properties

Physical state:	Solid
Solubility in water:	Low
Appearance:	No information available.
Odor/odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Boiling point:	No data available
Flashpoint:	No data available
Liquid density:	No data available
Evaporation rate:	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Specific gravity:	No data available
Water solubility:	No data available
Solubility in other solvents:	No information available.
Partition coefficient:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

Section 10: Stability and reactivity

Reactivity:	No data available
Chemical stability:	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions:	No data available
Hazardous polymerization:	No information available.
Conditions to avoid:	no information available

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

In the event of fire: see section 5

Section 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation:

Inhalation: No data available

Eye contact:

Serious eye damage/eye irritation: Remarks: No data available

Skin contact:

Skin corrosion/irritation: Remarks: No data available

Ingestion:

Oral: No data available

11.2 Information on toxicological effects

Symptoms:

Stomach - Irregularities - Based on Human Evidence

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:

Specific target organ toxicity - repeated exposure: No data available

11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:

No information available.

Section 12: Ecological information

Ecotoxicity:

No data available

Persistence and degradability:

No data available

Bioaccumulation:

No data available

Mobility:

No data available

Section 13: Disposal consideration

Disposal of wastes:

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging:

Do not reuse container.

Other information:

None

Section 14: Transport information

DOT:

49 CFR Road: Not regulated as a dangerous good. Poison Inhalation Hazard: No. Special precautions for user - Remarks: Not classified as dangerous in the meaning of transport regulations.

IMDG:

IMDG-Code: Not regulated as a dangerous good

IATA:

IATA-DGR: Not regulated as a dangerous good

Section 15: Regulatory information

15.1 International Inventories

US Toxic Substances Control Act (TSCA):

Product contains substance(s) not listed on TSCA inventory.

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 material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 components:	Chronic Health Hazard
CWA (Clean Water Act):	No information available.

15.3 US State Regulations

California Proposition 65:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
Massachusetts-RTK:	No components are subject to the Massachusetts Right to Know Act.
New Jersey-RTK:	5-carboxyfluorescein 76823-03-5
Pennsylvania-RTK:	5-carboxyfluorescein 76823-03-5 (listed twice)
U.S. State Right-To-Know Regulations:	CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ. SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ. SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: (none listed).

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.