



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Trade Name	Formula F-1 Sachet Fentanyl Detection
REACH Substance Name	Eosin Y
Chemical Name	2',4',5',7'-Tetrabromofluorescein
CAS Number	17372-87-1
SDS Date	April 2025

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use:	Security Screening Product
Uses Advised Against:	All other uses

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer:	Trace Eye-D 573 Interstate Blvd. Sarasota, FL 34240 USA 941.926.5045
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Email: info@TRACEYED.COM

1.4 Emergency Telephone Number: 1 (866) TRACE91 (872-2391) to contact Trace Eye-D

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

This product consists of a sachet containing 0.32 mL of a less than 1% Eosin Y dissolved in a buffered solution of water completely absorbed on a polypropylene/cellulose wipe. There is no free liquid when the pouch is opened for use.

2.1. Classification of the substance or mixture

GHS-US classification

Skin sensitization H317

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US) : Warning
 Hazard statements (GHS-US) : H317 – May cause allergic skin reaction
 Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling
 P280 - Wear protective gloves, eye protection
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing
 P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards which do not result in classification

Other hazards not contributing to the : None under normal conditions.
 classification

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Substance type : Mono-constituent

05/30/2017

EN (English US)

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Name	Product identifier	%	GHS-US classification
Eosin Y (Main constituent)	(CAS-No.) 17372-87-1	1	Eye Irrit. 2 /H319 Skin Sens. 1 /H317
	EC No 241-409-6		

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
 First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Allergic reactions

4.3. Immediate medical attention and special treatment, if necessary

Obtain medical assistance.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions The product itself does not burn

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Avoid contact with skin, eyes and clothes.

Emergency procedures

: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment

: Equip cleanup crew with proper protection.

Emergency procedures

: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers or absorb with liquid-binding material (ands, diatomaceous earth, etc.). Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures : Wash exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Don't open until use.

Incompatible products : Strong oxidizers.

: Recommended storage temperature 15-25 °C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Individual protection measures (personal protective equipment),
Eye/face protection

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Safety glasses. Gloves.



Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Respiratory protection not required in normal conditions

Other information:

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	: liquid
Color	: red -orange
Odor	: odorless
pH	: 7
Melting point/Freezing point	: 0 °C
Boiling point	: 100 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1) : No data available	
Flammability (solid, gas)	: Non flammable
Relative vapor density at 20 °C	: 23 hPa
Relative density	: 1gm/cm ³ at at 20 °C
Water Solubility	: miscible in any proportion
Auto-ignition temperature	: No data available
Decomposition temperature	: Not relevant
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Oxidizing properties	: None

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

This material is not reactive under normal ambient conditions

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions

10.4. Conditions to avoid

No specific conditions

10.5. Incompatible materials

There is no additional information

10.6. Hazardous decomposition products

Nitrogen oxides. Carbon monoxide. Carbon dioxide. Hydrogen bromide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Eosin G (C.I. 45380)	17372-87-1	oral	LD50	>2.000 mg/kg	rat
Eosin G (C.I. 45380)	17372-87-1	dermal	LD50	>2.000 mg/kg	rat

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

Data are not available.

• If in eyes

Data are not available.

• If inhaled

Data are not available.

• If on skin

May produce an allergic reaction, pruritis, localised redness

• Other information

none

Endocrine disrupting properties None of the ingredients are listed.

Information on other hazards There is no additional information,

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Shall not be classified as acutely toxic.

Aquatic toxicity (acute) of components of the mixture					
Name of sub-stance	CAS No	Endpoint	Value	Species	Exposure time
Eosin G (C.I. 45380)	17372-87-1	LC50	>100 mg/l	fish	96 h
Eosin G (C.I. 45380)	17372-87-1	EC50	>100 mg/l	aquatic invertebrates	48 h
Eosin G (C.I. 45380)	17372-87-1	ErC50	51,3 mg/l	algae	72 h

Biodegradation

Data are not available.

12.2. Persistence and degradability

Eosin Y (17372-87-1)

Process of degradability

Degradability of components of the mixture						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Eosin G (C.I. 45380)	17372-87-1	oxygen depletion	94,56 %	28 d		ECHA

12.3. Bioaccumulative potential Data are**12.3. Bioaccumulative potential**

Eosin Y (17372-87-1)

Bioaccumulative potential of components of the mixture				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Eosin G (C.I. 45380)	17372-87-1		-1,33	

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

Eosin Y (17372-87-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (**TSCA**) inventory

15.2. International regulations

CANADA

Eosin Y (17372-87-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Eosin Y (17372-87-1)

Not listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

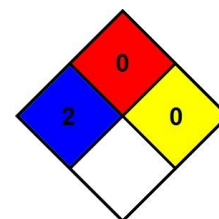
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: OTHER INFORMATION

Revision date : 04/14/2005 Other information :
None.

H317	May cause allergic skin reaction
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NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
 NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
 NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur
 Flammability : 0 Minimal Hazard - Materials that will not burn
 Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
 Personal protection : E
 E - Safety glasses, Gloves, Dust respirator

SDS US Trace Eye-D

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