

MATERIAL SAFETY DATA SHEET

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

1.1. Product identifiers

- Product Name: 5-Maleimido-Eosin
- Synonym: Eosin-5-maleimide
- CAS No.: 150322-02-4
- Molecular Formula: $C_{24}H_9Br_4NO_7$
- Molecular Weight: 742.95 g/mol
- Product Form: Solid (powder)

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

Recommended use: Scientific laboratory use. For research use only (RUO).
Not for use in diagnostic or therapeutic procedures.

1.3 Details of the supplier of the safety data sheet

IMMUNOSTEP, S.L.
Avd. Universidad de Coimbra, s/n
Centro de Investigación del Cáncer (CIC)
Campus Miguel de Unamuno
37007 Salamanca – Spain
Tel: +34 923 294 827
Technical information: <https://immunostep.com>

1.4 Emergency telephone number

+34 917 68 98 00 (Instituto Nacional de Toxicología, Spain)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not classified as hazardous according to CLP.

- Hazard pictograms: None
- Signal word: None
- Hazard statements: None
- Precautionary statements: None required

2.3 Other hazards

Light sensitive. Moisture sensitive.
Avoid generation of dust.

The substance does not meet criteria for PBT or vPvB.

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SECTION 3: Composition/ information on ingredients

3.1 Substances

- Chemical Name: 5-Maleimido-Eosin
- CAS Number: 150322-02-4
- EC Number: Not available
- Purity: $\geq 95\%$ (typical commercial grade)

No components need to be disclosed according to applicable regulations.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation: Move to fresh air. Seek medical attention if symptoms develop.
- Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water.
- Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present.
- Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.

4.2 Most important symptoms and effects

No specific data available.

4.3 Indication of immediate medical attention

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Special hazards arising from the substance

In case of fire may release:

Carbon oxides (CO_x)
Nitrogen oxides (NO_x)
Hydrogen bromide (HBr)

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions

Avoid dust formation. Ensure adequate ventilation. Wear appropriate PPE.

6.2 Environmental precautions

Do not allow product to enter drains.

6.3 Methods for containment and cleaning

Collect material mechanically avoiding dust formation. Place in suitable container for disposal.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of dust. Avoid contact with skin and eyes. Use in well-ventilated area.

7.2 Conditions for safe storage

Store tightly closed.
Recommended storage temperature: 2–8 °C.
Protect from light and moisture.

7.3 Specific end use

Research laboratory use only.

SECTION 8: Exposure controls/ personal protection

8.1 Control parameters

No occupational exposure limits established.

8.2 Exposure controls

- Eye protection: Safety glasses complying with EN166.
- Skin protection: Protective gloves (nitrile recommended).
- Respiratory protection: Use dust mask (PI type) if dust is generated.
- General hygiene measures: Wash hands after handling.

SECTION 9: Physical and chemical properties

- Physical state: Solid (powder)
- Color: Light red to orange
- Odor: No data available
- Melting point: No data available
- Boiling point: Not applicable
- Flammability: No data available
- Flash point: Not applicable
- Solubility: No data available
- Density: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity: No data available.

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Hazardous reactions: No data available.

10.4 Conditions to avoid: Light, moisture, excessive heat.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: CO_x, NO_x, HBr under fire conditions.

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SECTION 11: Toxicological information

- Acute toxicity: No data available.
- Skin irritation: No data available.
- Eye irritation: No data available.
- Sensitization: No data available.
- Carcinogenicity: Not classified.
- Mutagenicity: No data available.
- Reproductive toxicity: No data available.
- STOT: Not classified based on available data.

SECTION 12: Ecological information

- Ecotoxicity: No data available.
- Persistence and degradability: No data available.
- Bioaccumulative potential: No data available.
- PBT/vPvB: Does not meet criteria.
- Endocrine disrupting properties: Not identified.

SECTION 13: Disposal considerations

Dispose of in accordance with local, regional and national regulations.
Do not dispose into drains.

SECTION 14: Transport information

Not classified as dangerous goods under ADR, IATA, IMDG or RID regulations.
UN Number: Not applicable.

SECTION 15: Regulatory information

This SDS complies with Regulation (EC) No 1907/2006 (REACH).
Not listed in REACH Annex XIV.
Not included in Candidate List of SVHC.

SECTION 16: Other information

The information provided is based on current knowledge and is intended solely for safe handling, use, processing, storage and disposal.

This product is supplied for Research Use Only (RUO).