

Section 1: Identification of the substance, company and intended use.

1.1 Product Identifiers

Product No.: 1646
Product Name: MB 594 NHS Ester
Synonym: n/a

1.2 Identified use of the substance

Identified Use: Laboratory chemicals, manufacture of substances

1.3 Company/undertaking identification

Fluoroprobes Tel: 1-480- 685-2898
8341 E. Gelding Drive Fax: 1-866-717-2037
Scottsdale, AZ 85260

Section 2: Composition/Information on Ingredients

CAS No.: N/A
Mol. Formula: C₄₂H₄₄N₄O₁₄S₃
Mol. Weight: 941.01
Assay: N/A

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Section 3: Hazards Identification

3.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

3.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

Section 4: First-Aid Measures

4.1 Description of first aid measures

If inhaled

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

In case of skin contact

Rinse with plenty of water. If symptoms arise, call a physician.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

If swallowed

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.2 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Fire Fighting Measures**5.1 Extinguishing media**

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2 Advice from firefighters

Wear self-contained breathing apparatus and protective suit.

5.3 Further information

No data available.

Section 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

6.4 Reference to other sections

See Section 12 for additional information.

Section 7: Handling and Storage**7.1 Precautions for safe handling**

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

7.2 Conditions for safe storage, including any incompatibilities

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

Section 8: Exposure Controls/Personal Protection

8.1 Exposure Limits

We are not aware of any national exposure limit.

8.2 Engineering measures

Ensure adequate ventilation, especially in confined areas.

8.3 Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Eye/Face protection

Safety glasses with side-shields.

Hand protection

Impervious gloves.

Skin/Body Protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Control of Environmental exposure

Prevent product from entering drains.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|---|-----------------------------|
| a) Appearance | No data available |
| b) Odor | No data available |
| c) Odor Threshold | No data available |
| d) pH | Not Applicable |
| e) Melting / Freezing points | °C and °F No data available |
| f) Initial boiling point & boiling range | °C and °F No data available |
| g) Flash point | °C and °F No data available |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Explosive limits | No data available |
| k) Vapor pressure | No data available |
| l) Vapor pressure | No data available |
| m) Relative density | No data available |
| n) Solubility | Water, DMSO, DMF |
| o) Partition coefficient: n-octanol/water | No data available |
| p) Auto-ignition temperature | No data available |

| | |
|------------------------------|-------------------|
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidizing properties | No data available |

9.2 Other safety information

No data available.

Section 10: Stability and Reactivity

10.1 Chemical stability

Stable under normal conditions.

10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3 Hazardous decomposition products

None under normal use.

10.4 Polymerization

Hazardous polymerization does not occur.

Section 11: Toxicological Information

11.1 Acute toxicology

No data available.

Inhalation: No data available.

Dermal: No data available.

11.2 Skin corrosion / irritation

No data available.

11.3 Serious eye damage/eye irritation

No data available.

11.4 Respiratory or skin sensitization

No data available.

11.5 Germ cell mutagenicity

No data available.

11.6 Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11.7 Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional Information

RTECS: Not available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

12.1 Toxicity

No information available.

12.2 Mobility

No information available.

12.3 Persistence and degradability

Inherently biodegradable.

12.4 Bio accumulative potential

Does not bioaccumulate.

12.5 Other adverse effects

No information available.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Dispose of in accordance with local regulations.

Section 14: Transport Information

14.1 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

SARA 313 Components

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

California Proposition 65

This product does not contain chemicals listed under Proposition 65.

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

For research use only. Not intended for human or animal diagnostic or therapeutic uses.