

# **Safety Data Sheet**

# 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: Cyanine5 maleimide

Catalog number(s): 13080, 23080, 43080, 53080, 63080

Substance name: Cyanine5 maleimide

Molecular formula: C38H45N4O3

Molecular weight: 605.8

CAS number: 1437872-46-2 (without anion)

EC number: N/A REACH registration N/A

number:

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

Analytical reagent. Reagent for research and development.

### 1.3. Details of the supplier of the Safety Data Sheet

Supplier: Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

**USA** 

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

## 1.4. Emergency telephone number

+1 888 973 6353 ext 2; +49 (0)511 16596812

## 2. Hazards identification

## 2.1. Classification of the substance or mixture

The substance is not hazardous according to EU regulation (EC) No 1272/2008 or GHS regulations., and it does not contain any hazardous substance at more than 1% by weight. US Export Control Classification Number (ECCN) - EAR99 - The substance does not require a license.

#### 2.2. Label elements

Not applicable

### 2.3. Other hazards

No other hazards identified

# 3. Composition/information on ingredients

#### 3.1. Substances

Product name: Cyanine5 maleimide

CAS number: 1437872-46-2 (without anion)

Weight %: >95 %

#### 3.2. Mixtures



Not applicable.

## 4. First aid measures

## 4.1. Description of first aid measures

General notes Wash thoroughly after use.

Inhalation Move individual to fresh air and seek medical

advice.

Skin contact Wash affected area with water for 15 minutes

and seek medical advice if irritation occurs.

Eye contact Flush eye with water for 15 minutes and seek

medical advice if irritation occurs.

Ingestion Seek medical advice.
Self-protection of first Wear protective gloves.

aider

# 4.2. Most important symptoms and effects, both acute and delayed

We are not aware of any reported health hazards for this product.

## 4.3. Indication of any immediate medical attention and special treatment needed

No immediate medical attention or special treatment indicated.

# 5. Firefighting measure

### 5.1. Extinguishing media

Suitable extinguishing media Depending on the surrounding fire. The substance is not flammable. Unsuitable extinguishing media Not known.

## 5.2. Special hazards arising from the substance or mixture

No special fire hazards.

### 5.3. Advice for firefighters

No specific precautions arising from the substance.

### 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel avoid breathing in dust. Wear gloves and safety glasses. For emergency responders avoid breathing in dust. Wear gloves and safety glasses.

## 6.2. Environmental precautions

Avoid release into environment and sewage water system.

### 6.3. Methods and material for containment and cleaning up

Small spill Sweep up spilled substance promptly and

dispose according to local regulations.

Large spill Avoid dispersal. Sweep up spilled substance

promptly and dispose according to local

regulations.

## 6.4. Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.



# 7. Handling and storage

# 7.1. Precautions for safe handling

Wear protective equipment as specified in section 8.

Do not eat, drink and smoke in work areas. Thoroughly wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

## 7.3. Specific end use(s)

Analytical reagent. Reagent for research and development.

# 8. Exposure controls/personal protection

## 8.1. Control parameters

No occupational exposure limits known.

# 8.2. Exposure controls

Appropriate Work in a fume hood.

engineering controls:

Personal protection: Work in a fume hood with usual precautions.

Eye/face protection: Wear safety glasses.

Skin protection: Wear chemical-resistant gloves. Wear a lab coat

and appropriate shoes.

Respiratory

protection:

Work in a fume hood

Environmental

Do not drain into sewage system

exposure controls:

# 9. Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance

Odour Odourless
Odour threshold Not available
pH Not available
Melting point / Not available

freezing point

Initial boiling point and Not available

boiling range

Flash point Substance does not sustain combustion.

Evaporation rate Not available Flammability (solid, Non-flammable

gas)

Upper/lower Not available

flammability or explosive limits



Vapour pressure Not available
Vapour density Not available
Relative density Not available

Solubility(ies) soluble in organic solvents (DMF, DMSO,

dichloromethane), practically insoluble in water

(31 uM, 23 mg/L)

Partition coefficient: n- Not available

octanol/water

Auto-ignition Not available

temperature

Decomposition Not available

temperature

Viscosity Not available Explosive properties Not available Oxidising properties Not available

### 9.2. Other information

Not applicable

# 10. Stability and Reactivity

## 10.1. Reactivity

No specific test data available for this substance.

### 10.2. Chemical stability

The product is stable under normal conditions of storage and use.

### 10.3. Possibility of hazardous reactions

No hazardous reactions will occur under normal conditions of storage and use.

#### 10.4. Conditions to avoid

No specific data.

## 10.5. Incompatible materials

No specific data.

## 10.6. Hazardous decomposition products

No dangerous decomposition products should be produced under normal conditions of storage and use.

## 11. Toxicological information

The toxicological properties of this substance have not been thoroughly investigated.

# 12. Ecological information

### 12.1. Toxicity

No test data available.

## 12.2. Persistence and degradability

No test data available.

## 12.3. Bioaccumulative potential



No test data available.

# 12.4. Mobility in soil

No test data available.

## 12.5. Results of PBT and vPvB assessment

No test data available.

### 12.6. Other adverse effects

No test data available.

#### 12.7. Additional information

We are not aware of any ecological hazards arising from this substance.

# 13. Disposal considerations

### 13.1. Waste treatment methods

Waste should not be disposed of by release to sewers. Consult local, state or national regulations for applicable requirements.

## 14. Transport Information

### **14.1. UN number**

Not regulated.

## 14.2. UN proper shipping name

Not applicable.

## 14.3. Transport hazard class(es)

Not applicable.

## 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

No.

## 14.6. Special precautions for user

Not available.

#### 14.7 IATA/ICAO

Not regulated.

## 15. Regulatory information

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The substance is not listed under relevant regulations.

## 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance by the supplier.

# 16. Other information

Date of issue/revision 16.06.2025

1

Version