

Identification of the substance/mixture and of the company/undertaking

1. Kit identifier

Kit name: 3Dye Minimal Labeling Kit for two-dimensional difference gel electrophoresis

Catalog number(s): 1042-10nmol, 1042-2.5nmol, 1042-25nmol, 1042-5nmol

Composition/information on

components:

Cyanine2 NHS ester minimal dye Cyanine3 NHS ester minimal dye Cyanine5 NHS ester minimal dye

DMF (dimethylformamide), labeling grade

2. Relevant identified uses of the kit and uses advised against

Kit for 2D DIGE (two dimensional gel electrophoresis) for the differential analysis of proteomic samples. Lumiprobe 3Dye 2D DIGE Kit is an alternative to dyes produced by GE Healthcare.

3. Details of the supplier of the Safety Data Sheet

Supplier: Lumiprobe Corporation

201 International Circle, Suite 135 Hunt Valley, Maryland 21030,

USA

+1 888 973 6353 order@lumiprobe.com

4. Emergency telephone number

+1 888 973 6353 ext 2

The set safety data sheet includes safety data sheets of all components



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

1.1. Product identifier

Product name: Cyanine2 NHS ester minimal dye Catalog number(s): 1A041, 2A041, 3A041, ZA041 Substance name: Cyanine2 NHS ester minimal dye

Molecular formula: C32H28BF4N3O6

Molecular weight: 637.39
CAS number: n.a.
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

201 International Circle, Suite 135,

Hunt Valley, Maryland 21030,

USA +1 888 9736353

order@lumiprobe.com

Lumiprobe GmbH Feodor-Lynen-Str. 23 30625 Hannover

Germany +49 511 16596811 de@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: Cyanine2 NHS ester minimal dye

CAS number: n.a. 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: 12 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 polar organic solvents

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 19.04.2025

Version



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

1.1. Product identifier

Product name: Cyanine3 NHS ester minimal dye Catalog number(s): 1B041, 2B041, 3B041, ZB041 Substance name: Cyanine3 NHS ester minimal dye

Molecular formula: C36H44BF4N3O4

Molecular weight: 669.56
CAS number: n.a.
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

201 International Circle, Suite 135,

Hunt Valley, Maryland 21030,

USA +1 888 9736353

order@lumiprobe.com

Lumiprobe GmbH Feodor-Lynen-Str. 23 30625 Hannover

Germany +49 511 16596811 de@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: Cyanine3 NHS ester minimal dye

CAS number: n.a. 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: 12 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 polar organic solvents

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 19.04.2025

Version



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

1.1. Product identifier

Product name: Cyanine5 NHS ester minimal dye Catalog number(s): 1C041, 2C041, 3C041, ZC041 Substance name: Cyanine5 NHS ester minimal dye

Molecular formula: C36H42BF4N3O4

Molecular weight: 667.54
CAS number: n.a.
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

201 International Circle, Suite 135,

Hunt Valley, Maryland 21030,

USA +1 888 9736353 order@lumiprobe.com Lumiprobe GmbH Feodor-Lynen-Str. 23 30625 Hannover Germany

+49 511 16596811 de@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 NHS ester minimal dye

CAS number: n.a. 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: 12 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 exposure controls:

Do not drain into sewage system

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 polar organic solvents

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 19.04.2025

Version



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

1.1. Product identifier

Product name: DMF (dimethylformamide), labeling grade

Catalog number(s): 13050, A3050

Substance name: DMF (dimethylformamide), labeling grade

Molecular formula: C3H7NO
Molecular weight: 73.09
CAS number: 68-12-2
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

201 International Circle, Suite 135,

Hunt Valley, Maryland 21030,

USA +1 888 9736353

order@lumiprobe.com

Lumiprobe GmbH Feodor-Lynen-Str. 23 30625 Hannover

Germany

+49 511 16596811 de@lumiprobe.com

1.4. Emergency telephone number

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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: DMF (dimethylformamide), labeling grade

CAS number: 68-12-2 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: 12 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 exposure controls:

Do not drain into sewage system

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) miscible with water and many organic solvents

Partition coefficient: n- Not available

octanol/water

Auto-ignition N

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 19.04.2025

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