

Safety Data Sheet

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

1.1 Product identifier:

Product name: Acetylcholinesterase Rapid Staining Kit
Product code: 8450
Components: Solution A-1

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

Relevant identified uses of the product: Research Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.
Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan
Division: SDS Support
Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)
e-mail address: sds-support@mbl.co.jp

Supplier: MBL International Corporation.

Address: 15A Constitution Way, Woburn, MA 01801, USA
Telephone number: +1-800-200-5459, option 3.
E-mail: tech@mblintl.com/
Contact person: Technical Service

Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)
Not classified/Classification not possible

2.2 Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)
No GHS label element
No Signal word

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
acetylthiocholine Iodide	1866-15-5	0.22	217-474-1	-
Acetic acid	64-19-7	0.05	200-580-7	Flam. Liq. 3, H226; Skin Corr. 1A, H314; (Eye Irrit. 2, H319)

4. First-aid measures

4.1 Descriptions of first-aid measures

General measures

Get medical attention/advice if you feel unwell.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

Rinse mouth.

5. Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

6. Accidental release measures**6.1 Personnel precautions, protective equipment and emergency procedures**

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage**7.1 Precautions for safe handling**

Preventive measures

(Exposure Control for handling personnel)

Do not breathe dust/fume/gas/mist/vapors/spray.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Wear protective gloves, protective clothing or face protection.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.

Keep cool. Protect from sunlight.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

Research Use Only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

(Acetic acid)

ACGIH(2003) TWA: 10ppm;

STEL: 15ppm (URT & eye irr; pulm func)

OSHA-PEL

(Acetic acid)

TWA: 10ppm, 25mg/m³

NIOSH-REL

(Acetic acid)

TWA: 10ppm; STEL: 15ppm

8.2 Exposure controls

Appropriate engineering controls

Washing facilities should be available.

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH: Neutral

Kinematic viscosity data is not available.

Solubility:

Solubility in water: Miscible

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

No Particle characteristics data is not available.

9.2 Other information

Other information is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Chemical stability data is not available.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT–single exposure data is not available.

STOT–repeated exposure data is not available.

Aspiration hazard data is not available.

12. Ecological Information

12.1 Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(Acetic acid)

miscible (ICSC, 2010)

12.2 Persistence and degradability

(Acetic acid)

BOD_Degradation : 74% (Registered chemicals data check & review)

12.3 Bioaccumulative potential

(Acetic acid)

log Pow=-0.17 (PHYSPROP DB, 2005)

12.4 Mobility in soil

Mobility in soil data is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information

UN No., UN CLASS

14.1 UN No. or ID No.: Not applicable

14.2 UN Proper Shipping Name : Not applicable

14.3 Class or division (Transport hazard class) : Not applicable

14.4 Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

14.5 Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

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

Chemicals listed in TSCA Inventory

Acetic acid; acetylthiocholine Iodide

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

The product is not applicable to GHS classifications.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39–18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

EU REGULATION (EC) No. 1272/2008 (CLP), amended by COMMISSION REGULATION (EU) 2019/521

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2020 TLVs and BEIs. (ACGIH)

Supplier's data/information

Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 05/26/2016

Most modern edition: 10/05/2021

General Disclaimer

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This information should be used to make an independent determination of the methods to safeguard workers and the environment.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

Safety Data Sheet

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

1.1 Product identifier:

Product name: Acetylcholinesterase Rapid Staining Kit

Product code: 8450

Components: Solution A-2

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

Relevant identified uses of the product: Research Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.

Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan

Division: SDS Support

Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

e-mail address: sds-support@mbl.co.jp

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Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

ENVIRONMENT HAZARDS

Hazardous to the aquatic environment (Long-term): Category 2

2.2 Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)



No Signal word

HAZARD STATEMENT

H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENT

Prevention

P273 Avoid release to the environment.

Response

P391 Collect spillage.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Copper sulfate pentahydrate	7758-99-8	0.33	231-847-6	Acute Tox. 4, H302; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Acetic acid	64-19-7	0.05	200-580-7	Flam. Liq. 3, H226; Skin Corr. 1A, H314; (Eye Irrit. 2, H319)

4. First-aid measures

4.1 Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

Rinse mouth.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.2 Specific hazards arising from the substance or mixture

Specific hazards arising from the substance or mixture is not available.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

Preventive measures for secondary accident

Collect spillage.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Do not breathe dust/fume/gas/mist/vapors/spray.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Wear protective gloves, protective clothing or face protection.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.

Keep cool. Protect from sunlight.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

Research Use Only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

(Acetic acid)

ACGIH(2003) TWA: 10ppm;

STEL: 15ppm (URT & eye irr; pulm func)

OSHA-PEL

(Acetic acid)

TWA: 10ppm, 25mg/m³

NIOSH-REL

(Acetic acid)

TWA: 10ppm; STEL: 15ppm

8.2 Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Pale blue

Odor data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH: Neutral

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

No Particle characteristics data is not available.

9.2 Other information

Other information is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Chemical stability data is not available.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.

11.2 Information on other hazards

Data on the preparation itself is not available.

12. Ecological Information

12.1 Ecotoxicity

Aquatic toxicity

Toxic to aquatic life with long lasting effects

Water solubility

(Acetic acid)

miscible (ICSC, 2010)

(Copper sulfate pentahydrate)

31.7 g/100 ml (0°C) (ICSC, 2001)

12.2 Persistence and degradability

(Acetic acid)

BOD_Degradation : 74% (Registered chemicals data check & review)

12.3 Bioaccumulative potential

(Acetic acid)

log Pow=-0.17 (PHYSPROP DB, 2005)

12.4 Mobility in soil

Mobility in soil data is not available.

12.5 Results of PBT and vPvB assessment

PBT and/or vPvB assessment data is not available.

12.6 Endocrine disrupting properties

Endocrine disrupting properties is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Avoid release to the environment (- if this is not the intended use).

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information**UN No., UN CLASS**

14.1 UN No. or ID No.: Not applicable

14.2 UN Proper Shipping Name : Not applicable

14.3 Class or division (Transport hazard class) : Not applicable

14.4 Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

14.5 Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : yes

14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

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

Chemicals listed in TSCA Inventory

Acetic acid

Other regulatory information

US regulations

This products is not hazardous according to OSHA 29CFR 1910.1200

California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): Not listed.

EU Regulations

REACH 1907/2006 EC –Annex XIV– list of substance subject to authorization.

Not ingredients listed.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

GHS classification and labelling

Aquatic Acute 2: H401 Toxic to aquatic life

Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39-18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

EU REGULATION (EC) No. 1272/2008 (CLP), amended by COMMISSION REGULATION (EU) 2019/521

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2020 TLVs and BEIs. (ACGIH)

Supplier's data/information

Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 05/26/2016

Most modern edition: 10/05/2021

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Safety Data Sheet

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

1.1 Product identifier:

Product name: Acetylcholinesterase Rapid Staining Kit
Product code: 8450
Component: Solution B

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

Relevant identified uses of the product: Research Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.
Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan
Division: SDS Support
Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)
e-mail address: sds-support@mbl.co.jp

Supplier: MBL International Corporation.

Address: 15A Constitution Way, Woburn, MA 01801, USA
Telephone number: +1-800-200-5459, option 3.
e-mail: tech@mblintl.com/
Contact person: Technical Service
Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

2.2 Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)
No GHS label element
No Signal word

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
potassium ferricyanide	13746-66-2	<0.1	237-323-3	-

4. First-aid measures

4.1 Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.
IF SWALLOWED
Rinse mouth.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.2 Specific hazards arising from the substance or mixture

Specific hazards arising from the substance or mixture is not available.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Preventive measures data is not available.

Safety measures data is not available.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.

Conditions for safe storage data is not available.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

Adopted value in ACGIH is not available.

8.2 Exposure controls

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

Particle characteristics data is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Chemical stability data is not available.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT–single exposure data is not available.

STOT–repeated exposure data is not available.

Aspiration hazard data is not available.

12. Ecological Information

12.1 Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(potassium ferricyanide)

46 g/100 ml (ICSC, 2002)

12.2 Persistence and degradability

Persistence and degradability data is not available.

12.3 Bioaccumulative potential

Bioaccumulative potential data is not available.

12.4 Mobility in soil

Mobility in soil data is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information

UN No., UN CLASS

14.1 UN No. or ID No.: Not applicable

14.2 UN Proper Shipping Name : Not applicable

14.3 Class or division (Transport hazard class) : Not applicable

14.4 Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

14.5 Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

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

Chemicals listed in TSCA Inventory

potassium ferricyanide

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

The product is not applicable to GHS classifications.

Reference Book

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IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
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Safety Data Sheet

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

1.1 Product identifier:

Product name: Acetylcholinesterase Rapid Staining Kit

Product code: 8450

Components: 3, 3'-diaminobenzidine (DAB) solution

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

Relevant identified uses of the product: Research Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.

Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan

Division: SDS Support

Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

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Contact person: Technical Service

Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

HEALTH HAZARDS

Germ cell mutagenicity: Category 2

Carcinogenicity: Category 1A

Reproductive toxicity: Category 1A

Specific target organ toxicity – repeated exposure: Category 2(Liver)

(Note) GHS classification without description: Not classified/Classification not possible

2.2 Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)



Signal word: Danger

HAZARD STATEMENT

H341 Suspected of causing genetic defects

H350 May cause cancer

H360 May damage fertility or the unborn child

H373 May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENT

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Use personal protective equipment as required.

Response

P314 Get medical advice/attention if you feel unwell.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Ethyl alcohol	64-17-5	4.0	200-578-6	Flam. Liq. 2, H225
3,3'-Diaminobenzidine Tetrahydrochloride	7411-49-6	3.0	231-018-9	-

4. First-aid measures

4.1 Descriptions of first-aid measures

General measures

Get medical attention/advice if you feel unwell.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

IF IN EYES

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.

IF SWALLOWED

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.2 Specific hazards arising from the substance or mixture

Specific hazards arising from the substance or mixture is not available.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Do not breathe dust/fume/gas/mist/vapors/spray.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.

Keep cool. Protect from sunlight.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

Research Use Only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

(Ethyl alcohol)

ACGIH(2008) STEL: 1000ppm (URT irr)

OSHA-PEL

(Ethyl alcohol)

TWA: 1000ppm, 1900mg/m³

NIOSH-REL

(Ethyl alcohol)

TWA: 1000ppm

8.2 Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Washing facilities should be available.

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless, Clear

Odor: Aromatic odor

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH: Neutral

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

No Particle characteristics data is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Chemical stability data is not available.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

(Ethyl alcohol)

IARC-Gr.1 : Carcinogenic to humans

(Ethyl alcohol)

ACGIH-A3(2008) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.

11.2 Information on other hazards

Data on the preparation itself is not available.

12. Ecological Information

12.1 Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(Ethyl alcohol)

miscible (ICSC, 2000)

12.2 Persistence and degradability

(Ethyl alcohol)

Degrade rapidly (BOD_Degradation : 89% (Registered chemicals data check & review, 1993))

12.3 Bioaccumulative potential

(Ethyl alcohol)

log Pow=-0.32 (ICSC, 2000)

12.4 Mobility in soil

Mobility in soil data is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information

UN No., UN CLASS

14.1 UN No. or ID No.: Not applicable

14.2 UN Proper Shipping Name : Not applicable

14.3 Class or division (Transport hazard class) : Not applicable

14.4 Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

14.5 Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

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

Chemicals listed in TSCA Inventory

Ethyl alcohol; 3,3'-Diaminobenzidine Tetrahydrochloride

Other regulatory information

US regulations

This products is hazardous according to OSHA 29CFR 1910.1200

California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): listed.

3,3'-Diaminobenzidine Tetrahydrochloride

EU Regulations

REACH 1907/2006 EC –Annex XIV– list of substance subject to authorization.
Not ingredients listed.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

GHS classification and labelling

Muta. 2: H341 Suspected of causing genetic defects

Carc. 1A: H350 May cause cancer

Repr. 1A: H360 May damage fertility or the unborn child

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39–18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

EU REGULATION (EC) No. 1272/2008 (CLP), amended by COMMISSION REGULATION (EU) 2019/521

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2020 TLVs and BEIs. (ACGIH)

Supplier's data/information

Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Revision information

Issue date: 05/26/2016

Most modern edition: 10/05/2021

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Safety Data Sheet

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

1.1 Product identifier:

Product name: Acetylcholinesterase Rapid Staining Kit
Product code: 8450
Components: H2O2 solution

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

Relevant identified uses of the product: Research Use Only

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.
Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan
Division: SDS Support
Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)
e-mail address: sds-support@mbl.co.jp

Supplier: MBL International Corporation.

Address: 15A Constitution Way, Woburn, MA 01801, USA
Telephone number: +1-800-200-5459, option 3.
e-mail: tech@mblintl.com/
Contact person: Technical Service
Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)
Not classified/Classification not possible

2.2 Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)
No GHS label element
No Signal word

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Hydrogen peroxide	7722-84-1	<1	231-765-0	Ox. Liq. 1, H271; Acute Tox. 4, H332; Acute Tox. 4, H302; Skin Corr. 1A, H314; (note* Eye Dam. 1, H318); (STOT SE 3; H335)

4. First-aid measures

4.1 Descriptions of first-aid measures

General measures

Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

Rinse mouth.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.2 Specific hazards arising from the substance or mixture

Specific hazards arising from the substance or mixture is not available.

5.3 Advice for firefighters**Specific fire-fighting measures**

Evacuate non-essential personnel to safe area.

6. Accidental release measures**6.1 Personnel precautions, protective equipment and emergency procedures**

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage**7.1 Precautions for safe handling****Preventive measures****(Safety treatments)**

Avoid contact with skin.

Avoid contact with eyes.

Preventive measures data is not available.

Safety Measures

Wear protective gloves/protective clothing/eye protection/face protection.

Safety measures data is not available.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Wash hands thoroughly after handling.

7.2 Storage**Conditions for safe storage**

Keep container tightly closed.

Keep cool. Protect from sunlight.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

Research Use Only.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

(Hydrogen peroxide)

ACGIH(1990) TWA: 1ppm (Eye, URT & skin irr)

OSHA-PEL

(Hydrogen peroxide)

TWA: 1ppm, 1.4mg/m³

NIOSH-REL

(Hydrogen peroxide)

TWA: 1ppm

8.2 Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Washing facilities should be available.

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water: Soluble

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

No Particle characteristics data is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Stable under normal storage/handling conditions.

- 10.3 Possibility of hazardous reactions
Possibility of hazardous reactions data is not available.
- 10.4 Conditions to avoid
Conditions to avoid data is not available.
- 10.5 Incompatible materials
Incompatible materials data is not available.
- 10.6 Hazardous decomposition products
Hazardous decomposition products data is not available.

11. Toxicological Information

- 11.1 Information on toxicological effects
Acute toxicity data is not available.
- Irritant properties
 - Skin corrosion/irritation data is not available.
 - Serious eye damage/irritation data is not available.
- Allergenic and sensitizing effects data is not available.
- Mutagenic effects data is not available.
- Carcinogenicity
 - (Hydrogen peroxide)
IARC-Gr.3 : Not Classifiable as a Human Carcinogen
 - (Hydrogen peroxide)
ACGIH-A3(1990) : Confirmed Animal Carcinogen with Unknown Relevance to Humans
- Teratogenic effects data is not available.
- Reproductive toxicity data is not available.
- STOT
 - STOT-single exposure data is not available.
 - STOT-repeated exposure data is not available.
- Aspiration hazard data is not available.

12. Ecological Information

- 12.1 Ecotoxicity
Ecotoxicity data is not available.
- Water solubility
 - (Hydrogen peroxide)
miscible (ICSC, 2000)
- 12.2 Persistence and degradability
 - (Hydrogen peroxide)
Degrade rapidly (EU-RAR, 2003)
- 12.3 Bioaccumulative potential
 - (Hydrogen peroxide)
log Pow=-1.36 (ICSC, 2000)
- 12.4 Mobility in soil
Mobility in soil data is not available.
- 12.5 Results of PBT and vPvB assessment
PBT and/or vPvB assessment data is not available.
- 12.6 Endocrine disrupting properties
Endocrine disrupting properties is not available.
- 12.7 Other adverse effects
Ozone depleting chemical data is not available.

13. Disposal considerations

- Description of waste residues and information on their safe handling and methods of disposal,

Medical & Biological Laboratories (MBL) Co., Ltd.

including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information

UN No., UN CLASS

14.1 UN No. or ID No.: Not applicable

14.2 UN Proper Shipping Name : Not applicable

14.3 Class or division (Transport hazard class) : Not applicable

14.4 Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

14.5 Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

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

Chemicals listed in TSCA Inventory

Hydrogen peroxide

Other regulatory information

US regulations

This product is hazardous according to OSHA 29CFR 1910.1200

California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): Not listed.

EU Regulations

REACH 1907/2006 EC –Annex XIV– list of substance subject to authorization.

Not ingredients listed.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

The product is not applicable to GHS classifications.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39–18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

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2020 TLVs and BEIs. (ACGIH)

Supplier's data/information

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Revision information

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safeguard workers and the environment.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

Safety Data Sheet

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

1.1 Product identifier:

Product name: Acetylcholinesterase Rapid Staining Kit

Product code:8450

Components: DAB dilution buffer

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

Relevant identified uses of the product: Research and Development

1.3 Details of the supplier of the safety data sheet

Manufacturer and Supplier (Asia): Medical & Biological Laboratories (MBL) Co., Ltd.

Address: 1018-1 Terasawaoka, Ina, Nagano 396-0002, Japan

Division: SDS Support

Telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

e-mail address: sds-support@mbl.co.jp

Supplier: MBL International Corporation.

Address: 15A Constitution Way, Woburn, MA 01801, USA

Telephone number:+1-800-200-5459, option 3.

e-mail: tech@mblintl.com/

Contact person: Technical Service

Emergency telephone number: +81-265-76-1777 (Monday to Friday, 9 AM to 5 PM JST)

2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

2.2 Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

No GHS label element

No Signal word

3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)	ECNO	HAZCODE_EU
Poly(oxy-1,2-ethanediyl), alpha-dodecyl-omega-hydroxy-	9002-92-0	<0.3	-	-
Imidazole	288-32-4	<0.1	206-019-2	Acute Tox. 4, H302; Skin Corr. 1C, H314; Repr. 1B, H360D

4. First-aid measures

4.1 Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED

Rinse mouth.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

6.4 Reference to other sections

Refer to section 8

7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety measures data is not available.

Any incompatibilities data is not available.

7.2 Storage

Conditions for safe storage

Keep container tightly closed.

Keep cool. Protect from sunlight.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure controls/personal protection

8.1 Control parameters

Adopted value

Adopted value in ACGIH is not available.

8.2 Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Washing facilities should be available.

Individual protection measures

Hand protection

Wear protective gloves.

Skin and body protection
Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

Particle characteristics data is not available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity data is not available.

10.2 Chemical stability

Chemical stability data is not available.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.
Aspiration hazard data is not available.

12. Ecological Information

12.1 Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(Imidazole)

15.91 g/100 ml (PHYSROP_DB, 2009)

12.2 Persistence and degradability

(Poly(oxy-1,2-ethanediyl), alpha-dodecyl-omega-hydroxy-)

BOD_Degradation : 74% (CERI/NITE hazard assessment, 2005)

(Imidazole)

BOD_Degradation : 90% (METI existing chemical safety inspections 2003)

12.3 Bioaccumulative potential

(Imidazole)

log Pow=-0.02 (ICSC, 2008)

12.4 Mobility in soil

Mobility in soil data is not available.

12.6 Endocrine disrupting properties

Endocrine disrupting properties is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information

UN No., UN CLASS

14.1 UN No. or ID No.: Not applicable

14.2 UN Proper Shipping Name : Not applicable

14.3 Class or division (Transport hazard class) : Not applicable

14.4 Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

14.5 Environmental hazards

MARPOL Annex III - Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

15. Regulatory Information

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

Chemicals listed in TSCA Inventory

Imidazole; Poly(oxy-1,2-ethanediyl), alpha-dodecyl-omega-hydroxy-

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

16. Other information

The product is not applicable to GHS classifications.

Reference Book

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