# **KIT SAFETY DATA SHEET**



MAGIC RED CASPASE-3/7 KIT **Kit Product Name** 

Kit Catalogue Number(s) ICT935

**Revision date** 26-Jan-2022

# Kit Contents

Catalogue Number(s)	Product Name
	HOECHST STAIN - #10476
	ACRIDINE ORANGE STAIN - #10478
	Z[Asp(OMe)-Glu(OMe)-Val-Asp(OMe)]2 MR - #20262

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# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: The Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Revision date 17-Nov-2021 Revision Number 2

1. IDENTIFICATION

Product identifier

Product Name HOECHST STAIN - #10476

Other means of identification

Safety data sheet number 10476

Registration Number(s) No information available

Recommended use of the chemical and restrictions on use
Recommended use For research use only

Supplier's details

Corporate HeadquartersManufacturerLegal Entity / Contact AddressBio-Rad Laboratories Inc.Bio-RadBio-Rad Laboratories Pvt. Ltd.

1000 Alfred Nobel Drive Endeavour House Bio-Rad House

Hercules, CA 94547 Langford Business Park 86-87, Udyog Vihar Phase IV Gurgaon USA Kidlington 122005

Kidlington 122005 Oxford Haryana India

OX5 1GE
United Kingdom
Bio-Rad Laboratories (Pty) Ltd.

e-mail: 34 Bolton Road

antibody\_safetydatasheets@bio-rad.com Parkwood, Johannesburg 2193

South Africa

**Technical Service** India: 91-124-4029300 or 1-800-180-1224

South Africa: 27-11-442-85-08 India: support.india@bio-rad.com

South Africa: cdg\_techsupport\_eemea@bio-rad.com

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC India: 000-800-100-7141

CHEMTREC South Africa: 0-800-983-611

#### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

GHS Label elements, including precautionary statements

Other hazards which do not result in classification

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable

## **Mixture**

**CAS No** 7732-18-5

## 4. FIRST AID MEASURES

Description of necessary first aid measures

**Inhalation** Remove to fresh air.

**Skin contact**Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Ingestion** Rinse mouth thoroughly with water.

For emergency responders

**Self-protection of the first aider** No information available.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

**Note to physicians**Treat symptomatically.

#### 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the

chemical

No information available.

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

# 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Revision date 17-Nov-2021

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Liquid

AppearanceClear to semi-clearOdourNo information availableColourVariesOdour thresholdNo information available

PropertyValuesRemarks • MethodpHNo information available

pH No information available
Melting point / freezing point No information available
Boiling point / boiling range No information available
Flash point No information available
Evaporation rate No information available
Flammability (solid, gas) No information available

Upper/lower flammability or explosive limits

Upper flammability or explosive Not applicable

limits

Lower flammability or explosive Not applicable

limits

Vapour pressureNo information availableVapour densityNo information availableRelative densityNo information available

Revision date 17-Nov-2021

Solubility(ies)

Water solubility

Soluble in water

Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature No information available No information available No information available No information available

Viscosity

Kinematic viscosity

No information available

Dynamic viscosity

Other information

Oxidising properties

Not applicable

## 10. STABILITY AND REACTIVITY

Reactivity

**Reactivity** No information available.

Chemical stability

**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical impact None Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions 
None under normal processing.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

**Incompatible materials**None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

#### 11. TOXICOLOGICAL INFORMATION

### Information on the likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

Symptoms No information available.

Acute toxicity

**Numerical measures of toxicity** 

Revision date 17-Nov-2021

Oral LD50

Dermal LD50

Inhalation LC50

Inhalation LC50

No information available
No information available
No information available
No information available

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Skin corrosion/irritation**No information available.

**Serious eve damage/irritation**No information available.

**Respiratory or skin sensitization** No information available.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity**No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

# 12. ECOLOGICAL INFORMATION

#### **Toxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

#### Persistence and degradability

No information available.

#### Bioaccumulative potential

No information available.

**Mobility** 

Mobility in soil No information available.

**Mobility** No information available.

#### Other adverse effects

No information available.

#### 13. DISPOSAL CONSIDERATIONS

## Disposal methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

#### 14. TRANSPORT INFORMATION

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL and the IBC

No information available

Code

IATA Not regulated

RID Not regulated

Not regulated ADR

Not regulated ADN

Special provisions from the regulations relative to the specified mode of transport are noted Special precautions for user

by numeric code. Refer to the regulations for the full text of special provisions.

## 15. REGULATORY INFORMATION

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

**International Regulations** 

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Contact supplier for inventory compliance status

## 16. OTHER INFORMATION

**Prepared By** Bio-Rad Laboratories, Environmental Health and Safety

**Revision date** 17-Nov-2021

**Revision Note** \*\*\* Indicates this information has changed since the previous revision.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Skin designation

C Carcinogen

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# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: The Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Revision date 18-Jan-2022 Revision Number 1

1. IDENTIFICATION

Product identifier

Product Name ACRIDINE ORANGE STAIN - #10478

Other means of identification

Safety data sheet number 10478

Registration Number(s) No information available

Recommended use of the chemical and restrictions on use
Recommended use For research use only

Supplier's details

Corporate HeadquartersManufacturerLegal Entity / Contact AddressBio-Rad Laboratories Inc.Bio-RadBio-Rad Laboratories Pvt. Ltd.

1000 Alfred Nobel Drive Endeavour House Bio-Rad House

Hercules, CA 94547 Langford Business Park 86-87, Udyog Vihar Phase IV Gurgaon USA Kidlington 122005

Kidlington 122005 Oxford Haryana India OX5 1GE

United Kingdom Bio-Rad Laboratories (Pty) Ltd.

e-mail: 34 Bolton Road

antibody\_safetydatasheets@bio-rad.com Parkwood, Johannesburg 2193

South Africa

**Technical Service** India: 91-124-4029300 or 1-800-180-1224

South Africa: 27-11-442-85-08 India: support.india@bio-rad.com

South Africa: cdg\_techsupport\_eemea@bio-rad.com

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC India: 000-800-100-7141

CHEMTREC South Africa: 0-800-983-611

#### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

GHS Label elements, including precautionary statements

Other hazards which do not result in classification

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable

## **Mixture**

**CAS No** 7732-18-5

## 4. FIRST AID MEASURES

Description of necessary first aid measures

**Inhalation** Remove to fresh air.

**Skin contact**Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Ingestion** Rinse mouth thoroughly with water.

For emergency responders

**Self-protection of the first aider**No information available.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

**Note to physicians**Treat symptomatically.

#### 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the

chemical

No information available.

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

# 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Liquid

AppearanceLiquidOdourNo information availableColourVariesOdour thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No information available
Melting point / freezing point
Boiling point / boiling range
Flash point
Evaporation rate
Flammability (solid, gas)
No information available
No information available
No information available
No information available

Upper/lower flammability or explosive limits

Upper flammability or explosive Not applicable

limits

Lower flammability or explosive Not applicable

limits

Vapour pressureNo information availableVapour densityNo information availableRelative densityNo information available

Solubility(ies)

Water solubility

No data available

Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature No information available No information available No information available No information available

**Viscosity** 

Kinematic viscosity

No information available

Dynamic viscosity

**Other information** 

Oxidising properties Not applicable

# 10. STABILITY AND REACTIVITY

Reactivity

**Reactivity** No information available.

Chemical stability

**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical impact None Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions 
None under normal processing.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

**Incompatible materials**None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

#### 11. TOXICOLOGICAL INFORMATION

### Information on the likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

Symptoms No information available.

Acute toxicity

**Numerical measures of toxicity** 

Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50 No information available
Inhalation LC50 No information available

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Skin corrosion/irritation**No information available.

**Serious eye damage/irritation** No information available.

**Respiratory or skin sensitization** No information available.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity**No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

# 12. ECOLOGICAL INFORMATION

## **Toxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

#### Persistence and degradability

No information available.

### **Bioaccumulative potential**

No information available.

**Mobility** 

Mobility in soil No information available.

**Mobility** No information available.

#### Other adverse effects

No information available.

#### 13. DISPOSAL CONSIDERATIONS

## Disposal methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

#### 14. TRANSPORT INFORMATION

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL and the IBC

No information available

Code

IATA Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

Special precautions for user

Special provisions from the regulations relative to the specified mode of transport are noted

by numeric code. Refer to the regulations for the full text of special provisions.

## 15. REGULATORY INFORMATION

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

**International Regulations** 

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories** 

Contact supplier for inventory compliance status

## **16. OTHER INFORMATION**

Prepared By Bio-Rad Laboratories, Environmental Health and Safety

Revision date 18-Jan-2022

**Revision Note**\*\*\* Indicates this information has changed since the previous revision.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

C Carcinogen

#### **Disclaimer**

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# **SAFETY DATA SHEET**

This safety data sheet was created pursuant to the requirements of: The Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Revision date 18-Jan-2022 Revision Number 1

1. IDENTIFICATION

Product identifier

Product Name Z[Asp(OMe)-Glu(OMe)-Val-Asp(OMe)]2 MR - #20262

Other means of identification

Safety data sheet number 20262

Registration Number(s) No information available

Recommended use of the chemical and restrictions on use
Recommended use For research use only

Supplier's details

Corporate HeadquartersManufacturerLegal Entity / Contact AddressBio-Rad Laboratories Inc.Bio-RadBio-Rad Laboratories Pvt. Ltd.

1000 Alfred Nobel Drive Endeavour House Bio-Rad House

Hercules, CA 94547 Langford Business Park 86-87, Udyog Vihar Phase IV Gurgaon USA Kidlington 122005

Kidlington 122005 Oxford Haryana India OX5 1GE

United Kingdom Bio-Rad Laboratories (Pty) Ltd.

e-mail: 34 Bolton Road

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South Africa

**Technical Service** India: 91-124-4029300 or 1-800-180-1224

South Africa: 27-11-442-85-08 India: support.india@bio-rad.com

South Africa: cdg\_techsupport\_eemea@bio-rad.com

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC India: 000-800-100-7141

CHEMTREC South Africa: 0-800-983-611

#### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

GHS Label elements, including precautionary statements

#### Other hazards which do not result in classification

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### **Substance**

Chemical name	CAS No	Weight-%

GHS / BE Page 14/19

Trade secret - 90 - 100%

#### 4. FIRST AID MEASURES

Description of necessary first aid measures

**Inhalation** Remove to fresh air.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Ingestion** Rinse mouth thoroughly with water.

For emergency responders

**Self-protection of the first aider** No information available.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

**Note to physicians** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the

chemical

No information available.

Special protective actions for fire-fighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable protective clothing.

Hand protection Wear suitable gloves.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Powder

Appearancepowder or cake, lyophilisedOdourNo information availableColourVariesOdour thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No information available
Melting point / freezing point No information available
Boiling point / boiling range No information available
Flash point No information available
Evaporation rate No information available
Flammability (solid, gas) No information available

Upper/lower flammability or explosive limits
Upper flammability or explosive Not applicable

limits

Lower flammability or explosive Not applicable

limits

Vapour pressureNo information availableVapour densityNo information available

Relative density

No information available

Soluble in water

Solubility(ies)

Water solubility

Solubility in other solvents

Partition coefficient

Autoignition temperature

Decomposition temperature

No information available
No information available
No information available

Viscosity

Kinematic viscosity

No information available

**Dynamic viscosity** 

**Other information** 

Oxidising properties Not applicable

## 10. STABILITY AND REACTIVITY

Reactivity

**Reactivity** No information available.

Chemical stability

**Stability** Stable under normal conditions.

**Explosion data** 

**Sensitivity to mechanical impact** None **Sensitivity to static discharge** None.

Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

**Incompatible materials**None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

#### 11. TOXICOLOGICAL INFORMATION

#### Information on the likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms** No information available.

Acute toxicity

**Numerical measures of toxicity** 

Oral LD50No information availableDermal LD50No information availableInhalation LC50No information availableInhalation LC50No information available

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Skin corrosion/irritation**No information available.

**Serious eye damage/irritation** No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

Reproductive toxicity No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

# 12. ECOLOGICAL INFORMATION

**Toxicity** 

**Ecotoxicity**The environmental impact of this product has not been fully investigated.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

**Mobility** 

Mobility in soil No information available.

**Mobility** No information available.

Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

Disposal methods

products

Waste from residues/unused

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

#### 14. TRANSPORT INFORMATION

IMDG Not regulated

Transport in bulk according to No information available

Annex II of MARPOL and the IBC

Code

IATA Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

Special precautions for user

Special provisions from the regulations relative to the specified mode of transport are noted

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Contact supplier for inventory compliance status

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Ceiling Maximum limit value \* Skin designation

C Carcinogen

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**End of Safety Data Sheet**