

Safety Data Sheets G6100 Calibration Kit



Table of Contents

The calibration kit might contain part of the following

1. PAH solution

| Part no. | Description |
|----------|-----------------------|
| 02253 | PAH solution 0 µg/l |
| 02255 | PAH solution 50 µg/l |
| 02316 | PAH solution 100 µg/l |
| 02795 | PAH solution 200 µg/l |
| 02459 | PAH solution 400 µg/l |
| 02460 | PAH solution 800 µg/l |

2. Turbidity standard

| Part no. | Description |
|----------|----------------------------|
| 02256 | Turbidity standard 0,0 NTU |
| 02257 | Turbidity standard 10 NTU |
| 02258 | Turbidity standard 40 NTU |

3. pH buffer

| Part no. | Description |
|----------|--------------|
| 02259 | pH 4 buffer |
| 02260 | pH 7 buffer |
| 02261 | pH 10 buffer |

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02253/PAH Standard 0 ug/l

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to
Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Composition% | CLP Classification Reg. EC no. 1272/2008 |
|---------------|----------------|-----------|--------------|---|
| Water | 7732-18-5 | 231-791-2 | 99.900 | No information available |
| Methanol | 67-56-1. SOLV2 | 200-659-6 | 0.1 | No information available |

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

| | |
|---|--|
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash with soap and water. |
| Eyes contact: | Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms develop. Provide medical care provider with this SDS |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---------------------------------------|--|
| Suitable extinguishing media: | None Known |
| Fire and/or Explosion Hazards: | No Data. |
| Fire Fighting Methods and Protection: | Will not burn, no special instructions available. Use methods appropriate for surrounding materials. |
| Hazardous Combustion Products: | None Known. |

6. Accidental release measures

| | |
|--|---|
| Personal Precautions, and Equipment: | No adverse health affects expected from the clean-up of spilled material. |
| Environmental precautions: | For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Follow personal protective equipment recommendations found in Section 8 of this SDS. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. |

7. Handling and storage

| | |
|---|--|
| Handling Technical Measures and Precautions | No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. |
| Storage Technical Measures and Conditions: | No data available. Keep container closed when not in use. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet. |

8. Exposure controls/personal protection

| Chemical name | CAS No. | EC No. | ACGIH STEL | ACGIH TLV-TWA | OSHA Exposure Limit |
|---------------|-----------|-----------|------------|-----------------|---------------------|
| Water | 7732-18-5 | 231-791-2 | None Known | Not established | No data available |

Personal Protection

| | |
|--|--|
| Engineering Measures: | Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing. |
| Respiratory Protection | No respiratory protection required under normal conditions of use. |
| Eye Protection: | Wear safety glasses when handling this product. |
| Skin Protection | Wear protective gloves when handling this product. No medical conditions affected by exposure. |
| Medical Conditions Aggravated By Exposure: | |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-------------------|-------------------|
| Physical state: | No data available |
| Appearance color: | No data available |
| Odor: | None |
| Odor threshold: | No data available |
| pH: | Not applicable |

| Property | Values |
|--|------------------------------------|
| Vapor pressure: | |
| Boiling point: | 100 °C |
| Melting point: | 0°C |
| Flash point: | No data available |
| Upper flammable/explosive limit, % in air: | No data available |
| Lower flammable/explosive limit, % in air: | No data available |
| Autoignition Temperature (°C): | No data available deg C |
| Decomposition Temperature (°C): | No data available |
| Specific Gravity: | 0.99821 g/cm ³ at 20 °C |
| Evaporation Rate: | No data available |
| Odor Threshold: | No data available |
| Solubility | Not determined |
| Partition coefficient: (n-octanol/water) | No data available |
| VOC % by weight: | 0 |
| Molecular Weight: | No data available |

10. Stability and reactivity

| | |
|--|---------------------------------|
| Stability | Stable under normal conditions. |
| Conditions to avoid: | None known |
| Materials to avoid/Chemical Incompatibility: | None known |
| Hazardous decomposition products: | None known |

11. Toxicological information

| | |
|--|---|
| Routes of Entry | Inhalation, Skin Contact, Eye Contact, Ingestion |
| Target Organs Potentially Affected By Exposure: | No data available |
| Chemical Interactions that change toxicity: | None known |
| Immediate (Acute) Health Effects by Route of Exposure: | |
| Inhalation irritation: | No hazard in normal industrial use. |
| Skin contact: | No hazard in normal industrial use. |
| Eye contact: | No hazard in normal industrial use. |
| Ingestion irritation: | No hazard in normal industrial use. |
| Ingestion toxicity: | No hazard in normal industrial use. |
| Long-term (chronic) health effects: | |
| Carcinogenicity: | No data |
| Reproductive & development toxicity: | No data available to indicate product or any components present at greater than 0.1% may cause birth defects. |
| Inhalation: | Upon prolonged and/or repeated exposure, no hazard in normal industrial use. |
| Skin contact | Unlikely to cause irritation even on repeated contact. |

Component Toxicological Data:

NIOSH:

| Chemical Name | CAS No. | LD50/LC50 |
|---------------|-----------|-------------------------|
| Water | 7732-18-5 | Oral LD50 Rat >90 mL/kg |

Component Carcinogenic Data:

OSHA:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

ACGIH:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

NIOSH:

| Chemical Name | CAS No. |
|---------------|---------|
|---------------|---------|

| | |
|---|-----|
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 10 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02255/ PAH Standard 50 ug/l

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation
(EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| <i>Chemical name</i> | <i>CAS No.</i> | <i>EC No.</i> | <i>Composition%</i> | <i>CLP Classification Reg. EC no. 1272/2008</i> |
|----------------------|----------------|---------------|---------------------|---|
| Water | 7732-18-5 | 231-791-2 | 100 | No information available |
| Phenanthrene | 85-01-8 | 201-581-5 | 0 | No information available |

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

| | |
|---|--|
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash with soap and water. |
| Eye contact: | Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms develop. Provide medical care provider with this SDS. |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media: | None Known |
| Fire and/or Explosion Hazards: | No Data. |
| Fire Fighting Methods and Protection:: | Will not burn, no special instructions available. Use methods appropriate for surrounding materials.. |
| Hazardous Combustion Products: | None Known. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures: | No adverse health affects expected from the clean-up of spilled material. |
| Environmental precautions: | For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Follow personal protective equipment recommendations found in Section 8 of this SDS. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. |

7. Handling and storage

| | |
|--|---|
| Handling Technical Measures and Precautions: | No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material.. |
| Storage Technical Measures and Conditions:: | No data available. Keep container closed when not in use. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet. |

8. Exposure controls/personal protection

| Chemical name | CAS No. | EC No. | ACGIH STEL | ACGIH TLV-TWA | OSHA Exposure Limit |
|---------------|-----------|-----------|------------|-----------------|---------------------|
| Water | 7732-18-5 | 231-791-2 | None Known | Not established | No data available |

Personal Protection

| | |
|--|--|
| Engineering Measures: | Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing. |
| Respiratory Protection | No respiratory protection required under normal conditions of use. |
| Eye Protection: | Wear safety glasses when handling this product. |
| Skin Protection | Wear protective gloves when handling this product. No medical conditions affected by exposure. |
| Medical Conditions Aggravated By Exposure: | |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|------------------------------------|
| Physical state: | No data available |
| Appearance color: | No data available |
| Odor: | None |
| Odor threshold: | No data available |
| pH: | Not applicable |
| Property | Values |
| Vapor pressure: | |
| Boiling point: | 100 °C |
| Melting point: | 0°C |
| Flash point: | No data available |
| Upper flammable/explosive limit, % in air: | No data available |
| Lower flammable/explosive limit, % in air: | No data available |
| Autoignition Temperature (°C): | No data available deg C |
| Decomposition Temperature (°C): | |
| Specific Gravity: | 0.99821 g/cm ³ at 20 °C |
| Evaporation Rate: | No data available |
| Odor Threshold: | No data available |
| Solubility | Not determined |
| Partition coefficient: (n-octanol/water) | No data available |
| VOC % by weight: | 0 |
| Molecular Weight: | No data available |

10. Stability and reactivity

| | |
|--|---------------------------------|
| Stability | Stable under normal conditions. |
| Conditions to avoid: | None known |
| Materials to avoid/Chemical Incompatibility: | None known |
| Hazardous decomposition products: | None known |

11. Toxicological information

Routes of Entry

Target Organs Potentially Affected By Exposure:

Chemical Interactions that change toxicity: None known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation irritation: No hazard in normal industrial use.

Skin contact: No hazard in normal industrial use.

Eye contact: No hazard in normal industrial use.

Ingestion irritation: No hazard in normal industrial use.

Ingestion toxicity: No hazard in normal industrial use.

Long-term (chronic) health effects:

Carcinogenicity: No data

Reproductive & development toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Inhalation: Upon prolonged and/or repeated exposure, no hazard in normal industrial use.

Skin contact: Unlikely to cause irritation even on repeated contact.

Component Toxicological Data:

NIOSH:

| Chemical Name | CAS No. | LD50/LC50 |
|---------------|-----------|-------------------------|
| Water | 7732-18-5 | Oral LD50 Rat >90 mL/kg |

Component Carcinogenic Data:

OSHA:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

ACGIH:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

NIOSH:

Chemical Name **CAS No.**

No data available

NTP:

Chemical Name **CAS No.**

No data available

IARC:

Chemical Name **CAS No.** **Group No.**

12. Ecological information

Overview: This material is not expected to be harmful to the ecology
Mobility: No data
Persistence: No data
Bioaccumulative: No data
Degradability: No data
Ecological Toxicity Data: No data available

13. Disposal considerations

Waste Description of Spent Product: Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by wastewater treatment following Federal State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. Transport information

IMDG Not regulated
IATA Not regulated
ICAO Not regulated
RID Not regulated
ARD Not regulated

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|--|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |

| | |
|---|-----|
| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 10 2020

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Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02316/PAH Standard 100 ug/l

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to
Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Composition% | CLP Classification Reg. EC no. 1272/2008 |
|---------------|-----------|-----------|--------------|---|
| Water | 7732-18-5 | 231-791-2 | 100 | No information available |
| Phenanthrene | 85-01-8 | 201-581-5 | 0 | No information available |

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

| | |
|---|--|
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash with soap and water. |
| Eyes contact: | Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms develop. Provide medical care provider with this SDS |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---------------------------------------|--|
| Suitable extinguishing media: | None Known |
| Fire and/or Explosion Hazards: | No Data. |
| Fire Fighting Methods and Protection: | Will not burn, no special instructions available. Use methods appropriate for surrounding materials. |
| Hazardous Combustion Products: | None Known. |

6. Accidental release measures

| | |
|--|---|
| Personal Precautions, and Equipment: | No adverse health affects expected from the clean-up of spilled material. |
| Environmental precautions: | For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Follow personal protective equipment recommendations found in Section 8 of this SDS. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. |

7. Handling and storage

| | |
|---|--|
| Handling Technical Measures and Precautions | No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. |
| Storage Technical Measures and Conditions: | No data available. Keep container closed when not in use. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet. |

8. Exposure controls/personal protection

| Chemical name | CAS No. | EC No. | ACGIH STEL | ACGIH TLV-TWA | OSHA Exposure Limit |
|---------------|-----------|-----------|------------|-----------------|---------------------|
| Water | 7732-18-5 | 231-791-2 | None Known | Not established | No data available |

Personal Protection

| | |
|--|--|
| Engineering Measures: | Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing. |
| Respiratory Protection | No respiratory protection required under normal conditions of use. |
| Eye Protection: | Wear safety glasses when handling this product. |
| Skin Protection | Wear protective gloves when handling this product. No medical conditions affected by exposure. |
| Medical Conditions Aggravated By Exposure: | |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-------------------|-------------------|
| Physical state: | No data available |
| Appearance color: | No data available |
| Odor: | None |
| Odor threshold: | No data available |
| pH: | Not applicable |

| Property | Values |
|--|------------------------------------|
| Vapor pressure: | |
| Boiling point: | 100 °C |
| Melting point: | 0°C |
| Flash point: | No data available |
| Upper flammable/explosive limit, % in air: | No data available |
| Lower flammable/explosive limit, % in air: | No data available |
| Autoignition Temperature (°C): | No data available deg C |
| Decomposition Temperature (°C): | No data available |
| Specific Gravity: | 0.99821 g/cm ³ at 20 °C |
| Evaporation Rate: | No data available |
| Odor Threshold: | No data available |
| Solubility | Not determined |
| Partition coefficient: (n-octanol/water) | No data available |
| VOC % by weight: | 0 |
| Molecular Weight: | No data available |

10. Stability and reactivity

| | |
|--|---------------------------------|
| Stability | Stable under normal conditions. |
| Conditions to avoid: | None known |
| Materials to avoid/Chemical Incompatibility: | None known |
| Hazardous decomposition products: | None known |

11. Toxicological information

| | |
|--|---|
| Routes of Entry | Inhalation, Skin Contact, Eye Contact, Ingestion |
| Target Organs Potentially Affected By Exposure: | No data available |
| Chemical Interactions that change toxicity: | None known |
| Immediate (Acute) Health Effects by Route of Exposure: | |
| Inhalation irritation: | No hazard in normal industrial use. |
| Skin contact: | No hazard in normal industrial use. |
| Eye contact: | No hazard in normal industrial use. |
| Ingestion irritation: | No hazard in normal industrial use. |
| Ingestion toxicity: | No hazard in normal industrial use. |
| Long-term (chronic) health effects: | |
| Carcinogenicity: | No data |
| Reproductive & development toxicity: | No data available to indicate product or any components present at greater than 0.1% may cause birth defects. |
| Inhalation: | Upon prolonged and/or repeated exposure, no hazard in normal industrial use. |
| Skin contact | Unlikely to cause irritation even on repeated contact. |

Component Toxicological Data:

NIOSH:

| Chemical Name | CAS No. | LD50/LC50 |
|---------------|-----------|-------------------------|
| Water | 7732-18-5 | Oral LD50 Rat >90 mL/kg |

Component Carcinogenic Data:

OSHA:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

ACGIH:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

NIOSH:

| Chemical Name | CAS No. |
|---------------|---------|
|---------------|---------|

| | |
|---|-----|
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

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End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02795/PAH Standard 200 ug/l

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to
Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Composition% | CLP Classification Reg. EC no. 1272/2008 |
|---------------|-----------|-----------|--------------|---|
| Water | 7732-18-5 | 231-791-2 | 100 | No information available |
| Phenanthrene | 85-01-8 | 201-581-5 | 0 | No information available |

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

| | |
|---|--|
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash with soap and water. |
| Eyes contact: | Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms develop. Provide medical care provider with this SDS |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---------------------------------------|--|
| Suitable extinguishing media: | None Known |
| Fire and/or Explosion Hazards: | No Data. |
| Fire Fighting Methods and Protection: | Will not burn, no special instructions available. Use methods appropriate for surrounding materials. |
| Hazardous Combustion Products: | None Known. |

6. Accidental release measures

| | |
|--|---|
| Personal Precautions, and Equipment: | No adverse health affects expected from the clean-up of spilled material. |
| Environmental precautions: | For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Follow personal protective equipment recommendations found in Section 8 of this SDS. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. |

7. Handling and storage

| | |
|---|--|
| Handling Technical Measures and Precautions | No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. |
| Storage Technical Measures and Conditions: | No data available. Keep container closed when not in use. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet. |

8. Exposure controls/personal protection

| Chemical name | CAS No. | EC No. | ACGIH STEL | ACGIH TLV-TWA | OSHA Exposure Limit |
|---------------|-----------|-----------|------------|-----------------|---------------------|
| Water | 7732-18-5 | 231-791-2 | None Known | Not established | No data available |

Personal Protection

| | |
|--|--|
| Engineering Measures: | Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing. |
| Respiratory Protection | No respiratory protection required under normal conditions of use. |
| Eye Protection: | Wear safety glasses when handling this product. |
| Skin Protection | Wear protective gloves when handling this product. No medical conditions affected by exposure. |
| Medical Conditions Aggravated By Exposure: | |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-------------------|-------------------|
| Physical state: | No data available |
| Appearance color: | No data available |
| Odor: | None |
| Odor threshold: | No data available |
| pH: | Not applicable |

| Property | Values |
|--|------------------------------------|
| Vapor pressure: | |
| Boiling point: | 100 °C |
| Melting point: | 0°C |
| Flash point: | No data available |
| Upper flammable/explosive limit, % in air: | No data available |
| Lower flammable/explosive limit, % in air: | No data available |
| Autoignition Temperature (°C): | No data available deg C |
| Decomposition Temperature (°C): | No data available |
| Specific Gravity: | 0.99821 g/cm ³ at 20 °C |
| Evaporation Rate: | No data available |
| Odor Threshold: | No data available |
| Solubility | Not determined |
| Partition coefficient: (n-octanol/water) | No data available |
| VOC % by weight: | 0 |
| Molecular Weight: | No data available |

10. Stability and reactivity

| | |
|--|---------------------------------|
| Stability | Stable under normal conditions. |
| Conditions to avoid: | None known |
| Materials to avoid/Chemical Incompatibility: | None known |
| Hazardous decomposition products: | None known |

11. Toxicological information

| | |
|--|---|
| Routes of Entry | Inhalation, Skin Contact, Eye Contact, Ingestion |
| Target Organs Potentially Affected By Exposure: | No data available |
| Chemical Interactions that change toxicity: | None known |
| Immediate (Acute) Health Effects by Route of Exposure: | |
| Inhalation irritation: | No hazard in normal industrial use. |
| Skin contact: | No hazard in normal industrial use. |
| Eye contact: | No hazard in normal industrial use. |
| Ingestion irritation: | No hazard in normal industrial use. |
| Ingestion toxicity: | No hazard in normal industrial use. |
| Long-term (chronic) health effects: | |
| Carcinogenicity: | No data |
| Reproductive & development toxicity: | No data available to indicate product or any components present at greater than 0.1% may cause birth defects. |
| Inhalation: | Upon prolonged and/or repeated exposure, no hazard in normal industrial use. |
| Skin contact | Unlikely to cause irritation even on repeated contact. |

Component Toxicological Data:

NIOSH:

| Chemical Name | CAS No. | LD50/LC50 |
|---------------|-----------|-------------------------|
| Water | 7732-18-5 | Oral LD50 Rat >90 mL/kg |

Component Carcinogenic Data:

OSHA:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

ACGIH:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

NIOSH:

| Chemical Name | CAS No. |
|---------------|---------|
|---------------|---------|

No data available

NTP:

Chemical Name **CAS No.**

No data available

IARC:

Chemical Name **CAS No.** **Group No.**

12. Ecological information

Overview: This material is not expected to be harmful to the ecology
Mobility: No data
Persistence: No data
Bioaccumulative: No data
Degradability: No data
Ecological Toxicity Data: No data available

13. Disposal considerations

Waste Description of Spent Product: Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by wastewater treatment following Federal State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. Transport information

IMDG Not regulated
IATA Not regulated
ICAO Not regulated
RID Not regulated
ARD Not regulated

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |

| | |
|---|-----|
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 10 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02459/PAH Standard 400 ug/l

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to
Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Composition% | CLP Classification Reg. EC no. 1272/2008 |
|---------------|-----------|-----------|--------------|---|
| Water | 7732-18-5 | 231-791-2 | 100 | No information available |
| Phenanthrene | 85-01-8 | 201-581-5 | 0 | No information available |

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

| | |
|---|--|
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash with soap and water. |
| Eyes contact: | Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms develop. Provide medical care provider with this SDS |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---------------------------------------|--|
| Suitable extinguishing media: | None Known |
| Fire and/or Explosion Hazards: | No Data. |
| Fire Fighting Methods and Protection: | Will not burn, no special instructions available. Use methods appropriate for surrounding materials. |
| Hazardous Combustion Products: | None Known. |

6. Accidental release measures

| | |
|--|---|
| Personal Precautions, and Equipment: | No adverse health affects expected from the clean-up of spilled material. |
| Environmental precautions: | For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Follow personal protective equipment recommendations found in Section 8 of this SDS. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. |

7. Handling and storage

| | |
|---|--|
| Handling Technical Measures and Precautions | No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. |
| Storage Technical Measures and Conditions: | No data available. Keep container closed when not in use. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet. |

8. Exposure controls/personal protection

| Chemical name | CAS No. | EC No. | ACGIH STEL | ACGIH TLV-TWA | OSHA Exposure Limit |
|---------------|-----------|-----------|------------|-----------------|---------------------|
| Water | 7732-18-5 | 231-791-2 | None Known | Not established | No data available |

Personal Protection

| | |
|--|--|
| Engineering Measures: | Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing. |
| Respiratory Protection | No respiratory protection required under normal conditions of use. |
| Eye Protection: | Wear safety glasses when handling this product. |
| Skin Protection | Wear protective gloves when handling this product. No medical conditions affected by exposure. |
| Medical Conditions Aggravated By Exposure: | |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-------------------|-------------------|
| Physical state: | No data available |
| Appearance color: | No data available |
| Odor: | None |
| Odor threshold: | No data available |
| pH: | Not applicable |

| Property | Values |
|--|------------------------------------|
| Vapor pressure: | |
| Boiling point: | 100 °C |
| Melting point: | 0°C |
| Flash point: | No data available |
| Upper flammable/explosive limit, % in air: | No data available |
| Lower flammable/explosive limit, % in air: | No data available |
| Autoignition Temperature (°C): | No data available deg C |
| Decomposition Temperature (°C): | No data available |
| Specific Gravity: | 0.99821 g/cm ³ at 20 °C |
| Evaporation Rate: | No data available |
| Odor Threshold: | No data available |
| Solubility | Not determined |
| Partition coefficient: (n-octanol/water) | No data available |
| VOC % by weight: | 0 |
| Molecular Weight: | No data available |

10. Stability and reactivity

| | |
|--|---------------------------------|
| Stability | Stable under normal conditions. |
| Conditions to avoid: | None known |
| Materials to avoid/Chemical Incompatibility: | None known |
| Hazardous decomposition products: | None known |

11. Toxicological information

| | |
|--|---|
| Routes of Entry | Inhalation, Skin Contact, Eye Contact, Ingestion |
| Target Organs Potentially Affected By Exposure: | No data available |
| Chemical Interactions that change toxicity: | None known |
| Immediate (Acute) Health Effects by Route of Exposure: | |
| Inhalation irritation: | No hazard in normal industrial use. |
| Skin contact: | No hazard in normal industrial use. |
| Eye contact: | No hazard in normal industrial use. |
| Ingestion irritation: | No hazard in normal industrial use. |
| Ingestion toxicity: | No hazard in normal industrial use. |
| Long-term (chronic) health effects: | |
| Carcinogenicity: | No data |
| Reproductive & development toxicity: | No data available to indicate product or any components present at greater than 0.1% may cause birth defects. |
| Inhalation: | Upon prolonged and/or repeated exposure, no hazard in normal industrial use. |
| Skin contact | Unlikely to cause irritation even on repeated contact. |

Component Toxicological Data:

NIOSH:

| Chemical Name | CAS No. | LD50/LC50 |
|---------------|-----------|-------------------------|
| Water | 7732-18-5 | Oral LD50 Rat >90 mL/kg |

Component Carcinogenic Data:

OSHA:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

ACGIH:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

NIOSH:

| Chemical Name | CAS No. |
|---------------|---------|
|---------------|---------|

No data available

NTP:

Chemical Name **CAS No.**

No data available

IARC:

Chemical Name **CAS No.** **Group No.**

12. Ecological information

Overview: This material is not expected to be harmful to the ecology
Mobility: No data
Persistence: No data
Bioaccumulative: No data
Degradability: No data
Ecological Toxicity Data: No data available

13. Disposal considerations

Waste Description of Spent Product: Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by wastewater treatment following Federal State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. Transport information

IMDG Not regulated
IATA Not regulated
ICAO Not regulated
RID Not regulated
ARD Not regulated

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |

| | |
|---|-----|
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 10 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02460/PAH Standard 800 ug/l

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to
Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Composition% | CLP Classification Reg. EC no. 1272/2008 |
|---------------|-----------|-----------|--------------|---|
| Water | 7732-18-5 | 231-791-2 | 99.9999 | No information available |
| Phenanthrene | 85-01-8 | 201-585-5 | 0.0001 | No information available |

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

| | |
|---|--|
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash with soap and water. |
| Eyes contact: | Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms develop. Provide medical care provider with this SDS |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---------------------------------------|--|
| Suitable extinguishing media: | None Known |
| Fire and/or Explosion Hazards: | No Data. |
| Fire Fighting Methods and Protection: | Will not burn, no special instructions available. Use methods appropriate for surrounding materials. |
| Hazardous Combustion Products: | None Known. |

6. Accidental release measures

| | |
|--|---|
| Personal Precautions, and Equipment: | No adverse health affects expected from the clean-up of spilled material. |
| Environmental precautions: | For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Follow personal protective equipment recommendations found in Section 8 of this SDS. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. |

7. Handling and storage

| | |
|---|--|
| Handling Technical Measures and Precautions | No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material. |
| Storage Technical Measures and Conditions: | No data available. Keep container closed when not in use. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet. |

8. Exposure controls/personal protection

| Chemical name | CAS No. | EC No. | ACGIH STEL | ACGIH TLV-TWA | OSHA Exposure Limit |
|---------------|-----------|-----------|------------|-----------------|---------------------|
| Water | 7732-18-5 | 231-791-2 | None Known | Not established | No data available |

Personal Protection

| | |
|--|--|
| Engineering Measures: | Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing. |
| Respiratory Protection | No respiratory protection required under normal conditions of use. |
| Eye Protection: | Wear safety glasses when handling this product. |
| Skin Protection | Wear protective gloves when handling this product. No medical conditions affected by exposure. |
| Medical Conditions Aggravated By Exposure: | |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-------------------|-------------------|
| Physical state: | No data available |
| Appearance color: | No data available |
| Odor: | None |
| Odor threshold: | No data available |
| pH: | Not applicable |

| Property | Values |
|--|------------------------------------|
| Vapor pressure: | |
| Boiling point: | 100 °C |
| Melting point: | 0°C |
| Flash point: | No data available |
| Upper flammable/explosive limit, % in air: | No data available |
| Lower flammable/explosive limit, % in air: | No data available |
| Autoignition Temperature (°C): | No data available deg C |
| Decomposition Temperature (°C): | No data available |
| Specific Gravity: | 0.99821 g/cm ³ at 20 °C |
| Evaporation Rate: | No data available |
| Odor Threshold: | No data available |
| Solubility | Not determined |
| Partition coefficient: (n-octanol/water) | No data available |
| VOC % by weight: | 0 |
| Molecular Weight: | No data available |

10. Stability and reactivity

| | |
|--|---------------------------------|
| Stability | Stable under normal conditions. |
| Conditions to avoid: | None known |
| Materials to avoid/Chemical Incompatibility: | None known |
| Hazardous decomposition products: | None known |

11. Toxicological information

| | |
|--|---|
| Routes of Entry | Inhalation, Skin Contact, Eye Contact, Ingestion |
| Target Organs Potentially Affected By Exposure: | No data available |
| Chemical Interactions that change toxicity: | None known |
| Immediate (Acute) Health Effects by Route of Exposure: | |
| Inhalation irritation: | No hazard in normal industrial use. |
| Skin contact: | No hazard in normal industrial use. |
| Eye contact: | No hazard in normal industrial use. |
| Ingestion irritation: | No hazard in normal industrial use. |
| Ingestion toxicity: | No hazard in normal industrial use. |
| Long-term (chronic) health effects: | |
| Carcinogenicity: | No data |
| Reproductive & development toxicity: | No data available to indicate product or any components present at greater than 0.1% may cause birth defects. |
| Inhalation: | Upon prolonged and/or repeated exposure, no hazard in normal industrial use. |
| Skin contact | Unlikely to cause irritation even on repeated contact. |

Component Toxicological Data:

NIOSH:

| Chemical Name | CAS No. | LD50/LC50 |
|---------------|-----------|-------------------------|
| Water | 7732-18-5 | Oral LD50 Rat >90 mL/kg |

Component Carcinogenic Data:

OSHA:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

ACGIH:

| Chemical Name | CAS No. |
|-------------------|---------|
| No data available | |

NIOSH:

| Chemical Name | CAS No. |
|---------------|---------|
|---------------|---------|

No data available

NTP:

Chemical Name **CAS No.**

No data available

IARC:

Chemical Name **CAS No.** **Group No.**

12. Ecological information

Overview: This material is not expected to be harmful to the ecology
Mobility: No data
Persistence: No data
Bioaccumulative: No data
Degradability: No data
Ecological Toxicity Data: No data available

13. Disposal considerations

Waste Description of Spent Product: Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by wastewater treatment following Federal State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. Transport information

IMDG Not regulated
IATA Not regulated
ICAO Not regulated
RID Not regulated
ARD Not regulated

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |

| | |
|---|-----|
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 10 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02256/Turbidity Standard, 0 NTU

Pure substance/mixture: Mixture

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

Intended use: Turbidity sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation
(EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: The mixture does not meet the criteria for classification.

Precautionary statement:

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Disposal Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements.

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Weight % | CLP Classification Reg. EC no. 1272/2008 |
|--|-----------|-----------|----------|--|
| Water | 7732-18-5 | 231-791-2 | > 99.99 | No information available |
| Other components below reportable levels | | | 0.0103 | |

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| | |
|---|---|
| General note: | Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance. |
| Inhalation: | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Dry skin with paper towel or similar. |
| Eye contact: | Rinse with water. Get medical attention if irritation develops and persist. |
| Ingestion: | Rinse mouth. Get medical attention if symptoms occur |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | Direct contact with eyes may cause temporary irritation. |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---|--|
| Suitable extinguishing media: | Use extinguishing agent suitable for type of surrounding fire. |
| Unsuitable extinguishing media: | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical: | During fire, gases hazardous to health may be formed. |
| Advice for firefighters: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. No special precautions. |
| Environmental precautions: | Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Containment of this material should not be necessary. This product is miscible in water. Flush with water. |
| Reference to other sections: | Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information |

7. Handling and storage

| | |
|--------------------------------|--|
| Precautions for safe handling: | Avoid prolonged exposure. No special precautions required. |
|--------------------------------|--|

| | |
|---|---|
| Conditions for safe storage, including any incompatibilities: | Store in tightly closed container. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS). |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet |

8. Exposure controls/personal protection

| | |
|---|---|
| Control parameters: | No exposure limits noted for ingredient(s) |
| Exposure controls: | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| Engineering Measures: | |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection: | Wear safety glasses with side shields (or goggles). |
| Skin and body protection | |
| Hand protection: | Wear appropriate chemical resistant gloves. |
| Other: | Wear suitable protective clothing. |
| Respiratory protection: | No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| Environmental exposure controls: | No information available |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|-------------------------|
| Physical state: | Liquid |
| Form: | Aqueous solution |
| Color: | Colorless |
| Odor: | Odorless |
| Odor threshold: | Not available |
| pH: | 6.7 |
| Property | Values |
| Melting point/freezing point: | 32°F (0°C) estimated |
| Initial boiling point and boiling range: | 212°F (100°C) estimated |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not applicable. |

Upper/lower flammability or explosive limits

| | |
|---------------------------------|---------------|
| Flammability limit – lower (%): | Not available |
| Flammability limit – upper (%): | Not available |
| Explosive limit – lower (%): | Not available |
| Explosive limit – upper (%): | Not available |
| Vapor pressure: | Not available |
| Vapor density: | Not available |
| Relative density: | Not available |

Solubility(ies)

| | |
|---|---------------------|
| Solubility (water): | Completely Miscible |
| Partition coefficient: (n-octanol/water) | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |

Other information

| | |
|----------------------|----------------------------------|
| Density: | 1.00 g/cm ³ estimated |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| Percent volatile: | 100.0 % |
| Specific gravity: | 1.00 estimated |

10. Stability and reactivity

| | |
|-------------------------------------|---|
| Reactivity: | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability: | Material is stable under normal conditions |
| Explosion Data | |
| Sensitivity to Mechanical Impact: | Not available |
| Sensitivity to Static Discharge: | Not available |
| Possibility of hazardous reactions: | Hazardous polymerization does not occur. |
| Conditions to avoid: | Do not freeze |
| Incompatible materials: | None known |
| Hazardous decomposition products: | No hazardous decomposition products are known. |

11. Toxicological information

Information on toxicological effects

Acute Toxicity

| | |
|----------------------|---|
| Product information: | Product does not present an acute toxicity hazard based on known or supplied information. |
| Inhalation: | Prolonged inhalation may be harmful. |
| Skin contact: | No adverse effects due to skin contact are expected. |

Eye contact: Direct contact with eyes may cause temporary irritation.
 Ingestion: Expected to be a low ingestion hazard.
 Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Not available

| <i>Product</i> | <i>Species</i> | <i>Test Results</i> |
|---------------------------|----------------|---------------------|
| Turbidity standard, 0 NTU | | |
| Acute | | |
| Dermal | Rabbit | 100000 mg/kg |
| LD50 | | |
| Oral | | |
| LD50 | Bird | 100000 mg/kg |
| | Mouse | 100000 mg/kg |
| | Rat | 100000 mg/kg |
| TD | Rat | 100000 mg/kg |
| TDLO | Rat | 100000 mg/kg |

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
 Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.
 Respiratory or skin sensitization
 Respiratory sensitization: Not a respiratory sensitizer.
 Skin sensitization: This product is not expected to cause skin sensitization.
 Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
 Carcinogenicity: Not classifiable as to carcinogenicity to humans.
 This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
 Reproductive toxicity: This product is not expected to cause reproductive or development effects.
 Specific target organ toxicity – single exposure: Not classified.
 Specific target organ toxicity – repeated exposure: Not classified.
 Aspiration hazard: Not an aspiration hazard.
 Chronic effects: Prolonged inhalation may be harmful
 Further information: No information available

12. Ecological information

Ecotoxicity: Not applicable.

| <i>Product</i> | <i>Species</i> | <i>Test Results</i> |
|---------------------------|----------------|-------------------------------------|
| Turbidity standard, 0 NTU | | |
| Aquatic | | |
| Crustacea EC50 | Daphnia | 37000 mg/l, 48 hours estimated |
| Fish LC50 | Fish | 22840.0156 mg/l, 96 hours estimated |

Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Endocrine Disruptor Information: No data available.

13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Wash to drains with lots of water. Dispose in accordance with all applicable regulations

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT Not regulated

IMDG Not regulated

IATA Not regulated

Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|--|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | No |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| European List of Notified Chemical Substances (ELINCS) | No |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| New Zealand Inventory | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States and Puerto Toxic Substances Control Act (TSCA) Inventory | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 02 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02257/Turbidity Standard, 10 NTU

Pure substance/mixture: Mixture

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

Intended use: Turbidity sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation
(EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: The mixture does not meet the criteria for classification.

Precautionary statement:

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Disposal Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements.

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Weight % | CLP Classification Reg. EC no. 1272/2008 |
|--|-----------|-----------|----------|--|
| Water | 7732-18-5 | 231-791-2 | > 99.99 | No information available |
| Other components below reportable levels | | | 0.0103 | |

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| | |
|---|---|
| General note: | Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance. |
| Inhalation: | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Dry skin with paper towel or similar. |
| Eye contact: | Rinse with water. Get medical attention if irritation develops and persist. |
| Ingestion: | Rinse mouth. Get medical attention if symptoms occur |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---|---|
| Suitable extinguishing media: | Use extinguishing agent suitable for type of surrounding fire. |
| Unsuitable extinguishing media: | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical: | During fire, gases hazardous to health may be formed. |
| Advice for firefighters: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. No special precautions |
| Environmental precautions: | Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Containment of this material should not be necessary. This product is miscible in water. Flush with water. |
| Reference to other sections: | Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information |

7. Handling and storage

| | |
|--------------------------------|--|
| Precautions for safe handling: | Avoid prolonged exposure. No special precautions required. |
|--------------------------------|--|

| | |
|---|--|
| Conditions for safe storage, including any incompatibilities: | Store in tightly closed container. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS) |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet |

8. Exposure controls/personal protection

| | |
|---|---|
| Control parameters: | No exposure limits noted for ingredient(s) |
| Exposure controls: | Good general ventilation (typical 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| Engineering Measures: | |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection: | Wear safety glasses with side shields (or goggles) |
| Skin and body protection | |
| Hand protection: | Wear appropriate chemical resistant gloves. |
| Other: | Wear suitable protective clothing. |
| Respiratory protection: | No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
| Environmental exposure controls: | No information available |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|-------------------------|
| Physical state: | Liquid |
| Form: | Aqueous solution |
| Color: | Colorless |
| Odor: | Odorless |
| Odor threshold: | Not available |
| pH: | 6.7 |
| Property | Values |
| Melting point/freezing point: | 32°F (0°C) estimated |
| Initial boiling point and boiling range: | 212°F (100°C) estimated |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not applicable |
| Upper/lower flammability or explosive limits | |

Flammability limit – lower (%): Not available
Flammability limit – upper (%): Not available
Explosive limit – lower (%): Not available
Explosive limit – upper (%): Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: Not available

Solubility(ies)
Solubility (water): Completely Miscible
Partition coefficient: Not available
(n-octanol/water)
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available

Other information
Density: 1.00 g/cm³ estimated
Explosive properties: Not explosive.
Oxidizing properties: Not oxidizing.
Percent volatile: 100.0 %
Specific gravity: 1.00 estimated

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical stability: Material is stable under normal conditions
Explosion Data
Sensitivity to Mechanical Impact: Not available
Sensitivity to Static Discharge: Not available
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Do not freeze
Incompatible materials: None known
Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Acute Toxicity

Product information: Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation: Prolonged inhalation may be harmful.
Skin contact: No adverse effects due to skin contact are expected.
Eye contact: Direct contact with eyes may cause temporary irritation.

Ingestion: Expected to be a low ingestion hazard.
Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Not available

| <i>Product</i> | <i>Species</i> | <i>Test Results</i> |
|---------------------------|----------------|---------------------|
| Turbidity standard, 0 NTU | | |
| Acute | | |
| Dermal | Rabbit | 100000 mg/kg |
| LD50 | | |
| Oral | | |
| LD50 | Bird | 100000 mg/kg |
| | Mouse | 100000 mg/kg |
| | Rat | 100000 mg/kg |
| TD | Rat | 100000 mg/kg |
| TDLO | Rat | 100000 mg/kg |

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
 Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.
 Respiratory or skin sensitization
 Respiratory sensitization: Not a respiratory sensitizer.
 Skin sensitization: This product is not expected to cause skin sensitization.
 Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
 Carcinogenicity: Not classifiable as to carcinogenicity to humans.
 This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
 Reproductive toxicity: This product is not expected to cause reproductive or development effects.
 Specific target organ toxicity – single exposure: Not classified.
 Specific target organ toxicity – repeated exposure: Not classified.
 Aspiration hazard: Not an aspiration hazard.
 Chronic effects: Prolonged inhalation may be harmful
 Further information: No information available

12. Ecological information

Ecotoxicity: Not applicable.

| <i>Product</i> | <i>Species</i> | <i>Test Results</i> |
|---------------------------|-----------------|-------------------------------------|
| Turbidity standard, 0 NTU | | |
| Aquatic | | |
| Crustacea | EC50 Daphnia | 37000 mg/l, 48 hours estimated |
| Fish | LC50 Fish | 22840.0156 mg/l, 96 hours estimated |

| | |
|-------------------------------------|---|
| Persistence and degradability: | No data is available on the degradability of any ingredients in the mixture. |
| Bioaccumulative potential: | No data available. |
| Mobility in soil: | No data available. |
| Results of PBT and vPvB assessment: | No data available. |
| Other adverse effects: | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |
| Endocrine Disruptor Information: | No data available. |

13. Disposal considerations

| | |
|--------------------------------------|--|
| Disposal instructions: | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Wash to drains with lots of water. Dispose in accordance with all applicable regulations |
| Hazardous waste code: | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues/unused products: | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging: | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

| | |
|---|---|
| DOT | Not regulated |
| IMDG | Not regulated |
| IATA | Not regulated |
| Transport in bulk according to and the IBC Code | Not established. Annex II of MARPOL 73/78 |

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|--|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | No |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| European List of Notified Chemical Substances (ELINCS) | No |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| New Zealand Inventory | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States and Puerto Toxic Substances Control Act (TSCA) Inventory | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 02 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02258/Turbidity Standard, 40 NTU

Pure substance/mixture: Mixture

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

Intended use: Turbidity sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: The mixture does not meet the criteria for classification.

Precautionary statement:

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Disposal Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements.

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS No. | EC No. | Weight % | CLP Classification Reg. EC no. 1272/2008 |
|--|-----------|-----------|----------|--|
| Water | 7732-18-5 | 231-791-2 | > 99.99 | No information available |
| Other components below reportable levels | | | 0.0103 | |

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| | |
|---|---|
| General note: | Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance. |
| Inhalation: | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Dry skin with paper towel or similar. |
| Eye contact: | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion: | Rinse mouth. Get medical attention if symptoms occur |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | Direct contact with eyes may cause temporary irritation. |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---|--|
| Suitable extinguishing media: | Use extinguishing agent suitable for type of surrounding fire. |
| Unsuitable extinguishing media: | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical: | During fire, gases hazardous to health may be formed. |
| Advice for firefighters: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. No special precautions |
| Environmental precautions: | Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Containment of this material should not be necessary. This product is miscible in water. Flush with water. |
| Reference to other sections: | Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information |

7. Handling and storage

| | |
|--------------------------------|--|
| Precautions for safe handling: | Avoid prolonged exposure. No special precautions required. |
|--------------------------------|--|

| | |
|---|---|
| Conditions for safe storage, including any incompatibilities: | Store in tightly closed container. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS). |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet |

8. Exposure controls/personal protection

| | |
|---|---|
| Control parameters: | No exposure limits noted for ingredient(s) |
| Exposure controls: | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| Engineering Measures: | |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection: | Wear safety glasses with side shields (or goggles). |
| Skin and body protection | |
| Hand protection: | Wear appropriate chemical resistant gloves. |
| Other: | Wear suitable protective clothing. |
| Respiratory protection: | No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| Environmental exposure controls: | No information available |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|-------------------------|
| Physical state: | Liquid |
| Form: | Aqueous solution |
| Color: | Colorless |
| Odor: | Odorless |
| Odor threshold: | Not available |
| pH: | 6.7 |
| Property | Values |
| Melting point/freezing point: | 32°F (0°C) estimated |
| Initial boiling point and boiling range: | 212°F (100°C) estimated |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit – lower (%): | Not available |
| Flammability limit – upper (%): | Not available |
| Explosive limit – lower (%): | Not available |
| Explosive limit – upper (%): | Not available |

Vapor pressure: 0.00001 hPa estimated
Vapor density: Not available
Relative density: Not available

Solubility(ies)
Solubility (water): Completely Miscible
Partition coefficient:
(n-octanol/water) Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available

Other information
Density: 1.00 g/cm³ estimated
Explosive properties: Not explosive.
Oxidizing properties: Not oxidizing.
Percent volatile: 100.0 %
Specific gravity: 1.00 estimated

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions
Explosion Data
Sensitivity to Mechanical Impact: Not available
Sensitivity to Static Discharge: Not available
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Do not freeze
Incompatible materials: None known
Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Acute Toxicity

Product information: Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation: Prolonged inhalation may be harmful.
Skin contact: No adverse effects due to skin contact are expected.
Eye contact: Direct contact with eyes may cause temporary irritation.
Ingestion: Expected to be a low ingestion hazard.
Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

Not available

| <i>Product</i> | <i>Species</i> | <i>Test Results</i> |
|---------------------------|----------------|---------------------|
| Turbidity standard, 0 NTU | | |
| Acute | | |
| Dermal | Rabbit | 100000 mg/kg |
| LD50 | | |
| Oral | | |
| LD50 | Bird | 100000 mg/kg |
| | Mouse | 100000 mg/kg |
| | Rat | 100000 mg/kg |
| TD | Rat | 100000 mg/kg |
| TDLO | Rat | 100000 mg/kg |

Skin corrosion/irritation:

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation:

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization:

Not a respiratory sensitizer.

Skin sensitization:

This product is not expected to cause skin sensitization.

Germ cell mutagenicity:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity:

Not classifiable as to carcinogenicity to humans.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA

Reproductive toxicity:

This product is not expected to cause reproductive or development effects

Specific target organ toxicity – single exposure:

Not classified.

Specific target organ toxicity – repeated exposure:

Not classified.

Aspiration hazard:

Not an aspiration hazard.

Chronic effects:

Prolonged inhalation may be harmful

Further information:

No information available

12. Ecological information

Ecotoxicity: Not applicable.

| <i>Product</i> | <i>Species</i> | <i>Test Results</i> |
|---------------------------|----------------|-------------------------------------|
| Turbidity standard, 0 NTU | | |
| Aquatic | | |
| Crustacea EC50 | Daphnia | 37000 mg/l, 48 hours estimated |
| Fish LC50 | Fish | 22840.0156 mg/l, 96 hours estimated |

Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

Endocrine Disruptor Information: No data available

13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Wash to drains with lots of water. Dispose in accordance with all applicable regulations

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT Not regulated

IMDG Not regulated

IATA Not regulated

Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | No |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| European List of Notified Chemical Substances (ELINCS) | No |
| Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 02 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02259/pH Buffer Solution, pH 4.01 (25°C)

Pure substance/mixture: Mixture

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

Intended use: pH sensor buffer solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation
(EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Chemical nature: Buffer solution

Substance: Not applicable

Mixture: No disclosure requirement according to Regulation EC No.
1907/2006

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show
this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

| | |
|---|---|
| Skin contact: | Wash affected area with water and soap |
| Eye contact: | Rinse with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persist. |
| Ingestion: | Get medical attention if symptoms occur |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---|--|
| Suitable extinguishing media: | Use extinguishing agent suitable for type of surrounding fire. |
| Unsuitable extinguishing media: | Not available. |
| Specific hazards arising from the chemical: | Not available. |
| Advice for firefighters: | Wear suitable protective equipment. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. |
| Environmental precautions: | Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area. |
| Reference to other sections: | Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information |

7. Handling and storage

| | |
|---|--|
| Precautions for safe handling: | Observe label precautions. |
| Conditions for safe storage, including any incompatibilities: | Tightly closed. Recommended storage temperature see product label. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet |

8. Exposure controls/personal protection

| | |
|---------------------|--|
| Control parameters: | No exposure limits noted for ingredient(s) |
|---------------------|--|

| | |
|---|---|
| Exposure controls | Good general ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Maintain general industrial hygiene practice. |
| Engineering Measures: | |
| Individual protection measures, such as personal protective equipment | |
| General: | As appropriate to quantity handled. |
| Eye/face protection: | Goggles or face mask. |
| Skin and body protection | Gloves. |
| Hand protection: | Full/splash contact: Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet (>,<) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves. |
| Other: | Protective clothing is recommended. Change contaminated clothing. Wash hands after working with substance. |
| Respiratory protection: | Required when vapors/aerosols are generated |
| Environmental exposure controls: | No information available |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-----------------|------------------|
| Physical state: | Liquid |
| Form: | Aqueous solution |
| Color: | Colorless |
| Odor: | Odorless |
| Odor threshold: | Not available |
| pH at 25°C: | 4.0 |

| Property | Values |
|--|---------------|
| Melting point/freezing point: | Not available |
| Initial boiling point and boiling range: | Not available |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not available |

Upper/lower flammability or explosive limits

| | |
|---------------------------------|---------------|
| Flammability limit – lower (%): | Not available |
| Flammability limit – upper (%): | Not available |
| Explosive limit – lower (%): | Not available |
| Explosive limit – upper (%): | Not available |
| Vapor pressure: | Not available |
| Vapor density: | Not available |
| Relative density: | Not available |

Solubility(ies)

| | |
|---|------------------|
| Solubility (water): | at 20 °C soluble |
| Partition coefficient: (n-octanol/water) | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |

Other information

| | | |
|-------------------|---------------|---------------|
| Density: | Not available | Not available |
| Percent volatile: | Not available | |
| Specific gravity: | | |

10. Stability and reactivity

| | |
|-------------------------------------|--|
| Reactivity: | The generally known reaction partners of water |
| Chemical stability: | Material is stable under normal conditions |
| Explosion Data | |
| Sensitivity to Mechanical Impact: | None |
| Sensitivity to Static Discharge: | None |
| Possibility of hazardous reactions: | Hazardous polymerization does not occur. |
| Conditions to avoid: | Heating |
| Substances to be avoided: | The generally known reaction partners of water |
| Hazardous decomposition products: | In the event of fire: See section 5. |

11. Toxicological information

Information on toxicological effects

Acute Toxicity

| | |
|----------------------|---|
| Product information: | Hazardous properties cannot be excluded but are relatively unlikely because of the low concentration of dissolved substances when the product is handled appropriately. The product should be handled with the usual care when dealing with chemicals |
| Inhalation: | No information available |
| Skin contact: | No information available |
| Eye contact: | No information available |
| Ingestion: | Based on available data, the classification criteria are not met. |

| | |
|---|---|
| Symptoms related to the physical, chemical and toxicological characteristics: | Not available |
| Skin corrosion/irritation: | No information available |
| Serious eye damage/eye irritation: | No information available |
| Respiratory or skin sensitization | |
| Respiratory sensitization: | No information available |
| Skin sensitization: | No information available |
| Germ cell mutagenicity: | No information available |
| Carcinogenicity: | This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA |
| Reproductive toxicity: | No information available |
| Specific target organ toxicity – single exposure: | No information available |
| Specific target organ toxicity – repeated exposure: | No information available |
| Aspiration hazard: | No information available |
| Chronic effects: | Prolonged inhalation may be harmful |
| Further information: | This product has no known adverse effect on human health |

12. Ecological information

| | |
|---------------------------------------|---|
| Ecotoxicity: | No ecological problems are to be expected when the product is handled and used with due care and attention. |
| Information on toxicological effects: | Not available |
| Persistence and degradability: | Not available |
| Bioaccumulative potential: | Not available |
| Mobility in soil: | Not available |
| Results of PBT and vPvB assessment: | Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted. |
| Other adverse effects: | Not available |
| Endocrine Disruptor Information: | Not available |

13. Disposal considerations

| | |
|--------------------------------------|--|
| Disposal instructions: | Wash to drains with lots of water. Dispose in accordance with all applicable regulations |
| Hazardous waste code: | Not regulated |
| Waste from residues/unused products: | Dispose of in accordance with local regulations. This material and its container can be safely disposed of as ordinary refuse. |
| Contaminated packaging: | Not regulated. |

14. Transport information

| | |
|------|---------------|
| IMDG | Not regulated |
|------|---------------|

| | |
|------|---------------|
| IATA | Not regulated |
| ICAO | Not regulated |
| RID | Not regulated |
| ARD | Not regulated |

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 01 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02260/pH Buffer Solution, pH 7.01 (25°C)

Pure substance/mixture: Mixture

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

Intended use: pH sensor buffer solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation
(EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Chemical nature: Aqueous solution of inorganic compounds

Substance: Not applicable

Mixture: No disclosure requirement according to Regulation EC No.
1907/2006

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show
this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

| | |
|---|---|
| Skin contact: | Wash affected area with water and soap |
| Eye contact: | Rinse with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persist. |
| Ingestion: | Get medical attention if symptoms occur |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | No information available |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---|--|
| Suitable extinguishing media: | Use extinguishing agent suitable for type of surrounding fire. |
| Unsuitable extinguishing media: | Not available. |
| Specific hazards arising from the chemical: | Not available. |
| Advice for firefighters: | Wear suitable protective equipment. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures: | Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. |
| Environmental precautions: | Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area. |
| Reference to other sections: | Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information. |

7. Handling and storage

| | |
|---|--|
| Precautions for safe handling: | Observe label precautions. |
| Conditions for safe storage, including any incompatibilities: | Tightly closed. Recommended storage temperature see product label. |
| Risk Management Method(s): | The information required is contained in this Safety Data Sheet |

8. Exposure controls/personal protection

| | |
|--|--|
| Control parameters: | No exposure limits noted for ingredient(s) |
| Exposure controls Engineering Measures: | Good general ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels |

below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Maintain general industrial hygiene practice.

Individual protection measures, such as personal protective equipment

| | |
|----------------------------------|---|
| General: | As appropriate to quantity handled. |
| Eye/face protection: | Goggles or face mask. |
| Skin and body protection | Gloves. |
| Hand protection: | Full/splash contact: Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves. |
| Other: | Protective clothing is recommended. Change contaminated clothing. Wash hands after working with substance. |
| Respiratory protection: | Required when vapors/aerosols are generated |
| Environmental exposure controls: | No information available |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|--------------------|
| Physical state: | Liquid |
| Form: | Aqueous solution |
| Color: | Colorless |
| Odor: | Odorless |
| Odor threshold: | Not available |
| pH at 25°C: | 7.01 |
| Property | Values |
| Melting point/freezing point: | -5°C |
| Initial boiling point and boiling range: | 109°C at 1.013 hPa |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not available |
| Upper/lower flammability or explosive limits | |
| Flammability limit – lower (%): | Not available |
| Flammability limit – upper (%): | Not available |

| | |
|------------------------------|---------------|
| Explosive limit – lower (%): | Not available |
| Explosive limit – upper (%): | Not available |
| Vapor pressure: | Not available |
| Vapor density: | Not available |
| Relative density: | Not available |

Solubility(ies)

| | |
|---|-----------------|
| Solubility (water): | Soluble at 20°C |
| Partition coefficient: (n-octanol/water) | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |

Other information

| | |
|-------------------|---------------------------------|
| Density: | 1.01 g/cm ³ at 20 °C |
| Percent volatile: | Not available |
| Specific gravity: | Not available |

10. Stability and reactivity

| | |
|-------------------------------------|--|
| Reactivity: | The generally known reaction partners of water |
| Chemical stability: | Material is stable under normal conditions |
| Explosion Data | |
| Sensitivity to Mechanical Impact: | None |
| Sensitivity to Static Discharge: | None |
| Possibility of hazardous reactions: | Hazardous polymerization does not occur. |
| Conditions to avoid: | Heating |
| Substances to be avoided: | The generally known reaction partners of water |
| Hazardous decomposition products: | In the event of fire: See section 5. |

11. Toxicological information

Information on toxicological effects

Acute Toxicity

| | |
|----------------------|---|
| Product information: | Hazardous properties cannot be excluded, but are relatively unlikely because of the low concentration of dissolved substances, when the product is handled appropriately. The product should be handled with the usual care when dealing with chemicals |
| Inhalation: | No information available |
| Skin contact: | No information available |
| Eye contact: | No information available |
| Ingestion: | Based on available data, the classification criteria are not met. |

| | |
|---|---|
| Symptoms related to the physical, chemical and toxicological characteristics: | Not available |
| Skin corrosion/irritation: | No information available |
| Serious eye damage/eye irritation: | No information available |
| Respiratory or skin sensitization | |
| Respiratory sensitization: | No information available |
| Skin sensitization: | No information available |
| Germ cell mutagenicity: | No information available |
| Carcinogenicity: | This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA |
| Reproductive toxicity: | No information available |
| Specific target organ toxicity – single exposure: | No information available |
| Specific target organ toxicity – repeated exposure: | No information available |
| Aspiration hazard: | No information available |
| Chronic effects: | Prolonged inhalation may be harmful |
| Further information: | This product has no known adverse effect on human health |

12. Ecological information

| | |
|---------------------------------------|---|
| Ecotoxicity: | No ecological problems are to be expected when the product is handled and used with due care and attention. |
| Information on toxicological effects: | Not available |
| Persistence and degradability: | Not available |
| Bioaccumulative potential: | Not available |
| Mobility in soil: | Not available |
| Results of PBT and vPvB assessment: | Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted. |
| Other adverse effects: | Not available |
| Endocrine Disruptor Information: | Not available |

13. Disposal considerations

| | |
|--------------------------------------|--|
| Disposal instructions: | Wash to drains with lots of water. Dispose in accordance with all applicable regulations |
| Hazardous waste code: | Not regulated |
| Waste from residues/unused products: | Dispose of in accordance with local regulations. This material and its container can be safely disposed of as ordinary refuse. |
| Contaminated packaging: | Not regulated. |

14. Transport information

| | |
|------|---------------|
| IMDG | Not regulated |
|------|---------------|

| | |
|------|---------------|
| IATA | Not regulated |
| ICAO | Not regulated |
| RID | Not regulated |
| ARD | Not regulated |

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
| Canadian Domestic Substances List (CANINV/ DSL) | Yes |
| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

Issue date: December 01 2020

Version No.: 1.3

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.

Safety Data Sheets

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

Product identifier

Part number Number/Product Name: 02261/pH Buffer Solution, pH 10.01 (25°C)

Pure substance/mixture: Mixture

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

Intended use: pH sensor buffer solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

Address: Erhvervsparken 29, DK – 9700 Brønderslev, Denmark

Phone/Fax: +45 96454500/+45 96454501

Email: service@greeninstruments.com

Emergency telephone number: +45 96454500 8:00 – 16:00 Copenhagen Time Zone

2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Chemical nature: Aqueous solution of inorganic compounds

Substance: Not applicable

Mixture: CAS-No.: 13840-56-7*

orthoboric acid, sodium salt (1:n) ($\geq 0,3\%$ - $< 0,5\%$)

Reproductive toxicity, Category 1B, H360FD

*A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First-aid measures

| | |
|---|---|
| General note: | Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance. |
| Inhalation: | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact: | Wash affected area with water and soap |
| Eye contact: | Rinse with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persist. |
| Ingestion: | Get medical attention if symptoms occur |
| Protection of First-aiders: | Use personal protective equipment. See section 8 for more detail. |
| Most important symptoms and effects, both acute and delayed: | The following applies to boron compounds in general: resorption is followed by nausea and vomiting, agitation, spasms, CNS disorders, cardiovascular disorders. |
| Indication of any immediate medical attention and special treatment needed: | Treat symptomatically |

5. Fire-fighting measures

| | |
|---|---|
| Suitable extinguishing media: | Use extinguishing agent suitable for type of surrounding fire. Water spray. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media: | Not available. |
| Specific hazards arising from the chemical: | Not available. |
| Advice for firefighters: | Wear suitable protective equipment. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. |
| Environmental precautions: | Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required. |
| Methods and materials for containment and cleaning up: | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area. |
| Reference to other sections: | Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information |

7. Handling and storage

| | |
|--------------------------------|---------------------------|
| Precautions for safe handling: | Observe label precautions |
|--------------------------------|---------------------------|

Conditions for safe storage, including any incompatibilities: Tightly closed. Recommended storage temperature see product label.

Risk Management Method(s): The information required is contained in this Safety Data Sheet

8. Exposure controls/personal protection

Control parameters: No exposure limits noted for ingredient(s)

Exposure controls
Engineering Measures: Good general ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Maintain general industrial hygiene practice.

Individual protection measures, such as personal protective equipment

General: As appropriate to quantity handled.

Eye/face protection: Goggles or face mask.

Skin and body protection
Hand protection: Gloves.
Full/splash contact:
Glove material: Nitrile rubber
Glove thickness: 0.11 mm
Break through time: > 480 min
The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.
The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.
This recommendation applies only to the product stated in the safety data sheet (>,<) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Other: Not normally needed.
Protective clothing is recommended. Change contaminated clothing. Wash hands after working with substance.

Respiratory protection: Required when vapors/aerosols are generated

Environmental exposure controls: No information available

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid

Form: Aqueous solution

Color: Colorless

Odor: Odorless

Odor threshold: Not available

| | |
|--|--------------------|
| pH at 25°C: | 10.0 |
| Property | Values |
| Melting point/freezing point: | Not available |
| Initial boiling point and boiling range: | 100°C at 1.013 hPa |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not available |
| Upper/lower flammability or explosive limits | |
| Flammability limit – lower (%): | Not available |
| Flammability limit – upper (%): | Not available |
| Explosive limit – lower (%): | Not available |
| Explosive limit – upper (%): | Not available |
| Vapor pressure: | Not available |
| Vapor density: | Not available |
| Relative density: | Not available |

| | |
|---|------------------|
| Solubility(ies) | |
| Solubility (water): | at 20 °C soluble |
| Partition coefficient: (n-octanol/water) | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |

| | |
|-------------------|----------------------------------|
| Other information | |
| Density: | 1.0044 g/cm ³ at 25°C |
| Percent volatile: | Not available |
| Specific gravity: | Not available |

10. Stability and reactivity

| | |
|-------------------------------------|--|
| Reactivity: | The generally known reaction partners of water |
| Chemical stability: | Material is stable under normal conditions |
| Explosion Data | |
| Sensitivity to Mechanical Impact: | None |
| Sensitivity to Static Discharge: | None |
| Possibility of hazardous reactions: | Hazardous polymerization does not occur. |
| Conditions to avoid: | Heating |
| Substances to be avoided: | The generally known reaction partners of water |
| Hazardous decomposition products: | In the event of fire: See section 5. |

11. Toxicological information

Information on toxicological effects

Acute Toxicity

Product information:

Hazardous properties cannot be excluded, but are relatively unlikely because of the low concentration of dissolved substances, when the product is handled appropriately. The product should be handled with the usual care when dealing with chemicals

Inhalation:

No information available

Skin contact:

No information available

Eye contact:

No information available

Ingestion:

Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics:

Not available

Skin corrosion/irritation:

No information available

Serious eye damage/eye irritation:

No information available

Respiratory or skin sensitization

Respiratory sensitization:

No information available

Skin sensitization:

No information available

Germ cell mutagenicity:

No information available

Carcinogenicity:

This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA

Reproductive toxicity:

No information available

Specific target organ toxicity – single exposure:

No information available

Specific target organ toxicity – repeated exposure:

No information available

Aspiration hazard:

No information available

Chronic effects:

Prolonged inhalation may be harmful

Further information:

This product has no known adverse effect on human health

12. Ecological information

Ecotoxicity:

No ecological problems are to be expected when the product is handled and used with due care and attention.

Information on toxicological effects:

Not available

Persistence and degradability:

Not available

Bioaccumulative potential:

Partition coefficient: n-octanol/water

Mobility in soil:

Not available

Results of PBT and vPvB assessment:

Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

Other adverse effects:

Not available

Endocrine Disruptor Information:

Not available

13. Disposal considerations

| | |
|--------------------------------------|--|
| Disposal instructions: | Wash to drains with lots of water. Dispose in accordance with all applicable regulations |
| Hazardous waste code: | Not regulated |
| Waste from residues/unused products: | Dispose of in accordance with local regulations. This material and its container can be safely disposed of as ordinary refuse. |
| Contaminated packaging: | Not regulated. |

14. Transport information

| | |
|------|---------------|
| IMDG | Not regulated |
| IATA | Not regulated |
| ICAO | Not regulated |
| RID | Not regulated |
| ARD | Not regulated |

15. Regulatory information

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

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

| <i>Inventory name</i> | <i>On inventory (yes/no)*</i> |
|---|-------------------------------|
| Australian Inventory of Chemical Substances (AICS) | Yes |
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| Canadian Non-Domestic Substances List (CANINV/NDSL) | Yes |
| Chinese Inventory of Existing Chemical Substances (IECSC) | Yes |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| European List of Notified Chemical Substances (ELINCS) | Yes |
| Korea Existing Chemicals List (ECL) | Yes |
| Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA) | Yes |

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Substances of very high concern (SVHC)

This product does contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 59 above the respective regulatory concentration limit of > 0.1 % (w/w).

Contains: orthoboric acid, sodium salt (1:n)

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 was not carried out.

16. Other information

Full text of H-Statements referred to under sections 3:

H360FD May damage fertility. May damage the unborn child.

Issue date: December 01 2020

Version No.: 1.3

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End of Safety Data Sheet.