

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** Water

**Other means of identification**

**Product No.:** 4212, 4216, 4218, 4219, 4221, 6906, 6795, 9823, 9831, H453, 11235

**Recommended use and restriction on use**

**Recommended use:** For Laboratory, Research or Manufacturing Use.

**Restrictions on use:** Not determined.

**Details of the supplier of the safety data sheet**

	Avantor Performance Materials, LLC 100 Matsonford Rd, Suite 200 Radnor, PA 19087
Telephone:	Customer Service: 855-282-6867
Fax:	
Contact Person:	Product Information Compliance
E-mail:	info@avantormaterials.com

**Emergency telephone number:**

CHEMTREC: 1-800-424-9300 within US and Canada

## 2. Hazard identification

**Hazard Classification**

Not classified

**Label Elements**

<b>Hazard Symbol:</b>	No symbol
<b>Signal Word:</b>	No signal word.
<b>Hazard Statement:</b>	Not applicable
<b>Precautionary Statements</b>	Not applicable

**Other hazards which do not result in GHS classification:**

None.

## 3. Composition/information on ingredients

## Substances

**Composition Comments:** The components are not hazardous or are below required disclosure limits.

### 4. First-aid measures

**General information:** Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

**Ingestion:** Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

**Inhalation:** Move to fresh air. Get medical attention if symptoms occur.

**Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** None known.

**Hazards:** None known.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

### 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** None known.

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Move containers from fire area if you can do so without risk.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No special precautionary health measures should be needed under anticipated conditions of use. See Section 8 of the SDS for Personal Protective Equipment.

<b>Methods and material for containment and cleaning up:</b>	No specific precautions. Absorb with sand or other inert absorbent. Dike far ahead of larger spills for later disposal.
<b>Notification Procedures:</b>	No specific precautions.
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so.

### 7. Handling and storage

<b>Precautions for safe handling:</b>	No specific precautions. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep from freezing. Keep containers closed when not in use.

### 8. Exposure controls/personal protection

#### Control Parameters

##### Occupational Exposure Limits

None of the components have assigned exposure limits.

<b>Appropriate Engineering Controls</b>	No data available.
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#### Individual protection measures, such as personal protective equipment

<b>General information:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
<b>Eye/face protection:</b>	No specific precautions. It is a good industrial hygiene practice to minimize eye contact.
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Not normally needed.
<b>Other:</b>	No special precautions. It is a good industrial hygiene practice to minimize skin contact.
<b>Respiratory Protection:</b>	No specific recommendations.
<b>Hygiene measures:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

### 9. Physical and chemical properties

#### Appearance

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	7,0 (20 °C)
<b>Melting point/freezing point:</b>	0 °C

<b>Initial boiling point and boiling range:</b>	100 °C
<b>Flash Point:</b>	Not applicable
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	3,17 kPa (25 °C)
<b>Vapor density:</b>	No data available.
<b>Density:</b>	1,00 g/ml (20 °C)
<b>Relative density:</b>	1,00 (20 °C)
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Completely Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Other information</b>	
<b>Molecular weight:</b>	18,02 g/mol (H2O)

## 10. Stability and reactivity

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible Materials:</b>	Acids. Strong reducing agents.
<b>Hazardous Decomposition Products:</b>	None known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	None known or expected under normal use.
<b>Skin Contact:</b>	None known or expected under normal use.
<b>Eye contact:</b>	None known or expected under normal use.
<b>Ingestion:</b>	No adverse effects due to ingestion are expected.

## Information on toxicological effects

### Acute toxicity (list all possible routes of exposure)

#### Oral

**Product:** LD 50 (Rat): 90.000 mg/kg

#### Dermal

**Product:** LD 50 (Rabbit): 5.000 mg/kg

#### Inhalation

**Product:** LC 50 (Rat): 50 mg/l

### Repeated dose toxicity

**Product:** No known chronic or acute health risks.

### Skin Corrosion/Irritation

**Product:** Prolonged skin contact may cause temporary irritation.

### Serious Eye Damage/Eye Irritation

**Product:** None.

### Respiratory or Skin Sensitization

**Product:** Not a skin nor a respiratory sensitizer.

### Carcinogenicity

**Product:** This substance has no evidence of carcinogenic properties.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

### ACGIH Carcinogen List:

No carcinogenic components identified

### Germ Cell Mutagenicity

#### In vitro

**Product:** No mutagenic components identified

#### In vivo

**Product:** No mutagenic components identified

### Reproductive toxicity

**Product:** No components toxic to reproduction

### Specific Target Organ Toxicity - Single Exposure

**Product:** None known.

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** None known.

### Aspiration Hazard

**Product:** Not classified

### Other effects:

None known.

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** Not expected to be harmful to aquatic organisms.

##### Aquatic Invertebrates

**Product:** Not expected to be harmful to aquatic organisms.

#### Chronic hazards to the aquatic environment:

##### Fish

**Product:** Not considered toxic to fish.

##### Aquatic Invertebrates

**Product:** Not expected to be harmful to aquatic organisms.

##### Toxicity to Aquatic Plants

**Product:** Not expected to be harmful to aquatic organisms.

### Persistence and Degradability

#### Biodegradation

**Product:** The product is readily biodegradable.

#### BOD/COD Ratio

**Product:** No data available.

### Bioaccumulative potential

#### Bioconcentration Factor (BCF)

**Product:** The product is not bioaccumulating.

### Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

### Mobility in soil:

The product is water soluble and may spread in water systems.

### Other adverse effects:

Not regarded as dangerous for the environment. Not expected to be harmful to aquatic organisms.

## 13. Disposal considerations

### Disposal instructions:

Discharge, treatment, or disposal may be subject to national, state, or local laws.

### Contaminated Packaging:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### TDG

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

**Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

**15. Regulatory information**

**Canada Federal Regulations**

**List of Toxic Substances (CEPA, Schedule 1)**

Not Regulated

Not Regulated

**Export Control List (CEPA 1999, Schedule 3)**

Not Regulated

Not Regulated

**National Pollutant Release Inventory (NPRI)**

**Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)**

Not Regulated

**Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements**

NPRI PT5

Not Regulated

**Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)**

NPRI

Not Regulated

**Greenhouse Gases**

Not Regulated

Not Regulated

**Controlled Drugs and Substances Act**

Not Regulated

CA CDSI

Not Regulated

CA CDSII

Not Regulated

CA CDSIII

Not Regulated

CA CDSIV

Not Regulated

CA CDSV

Not Regulated

CA CDSVII

Not Regulated

CA CDSVIII

Not Regulated

**Precursor Control Regulations**

Not Regulated

Not Regulated

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**Inventory Status:**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Mexico INSQ:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
Japan ISHL Listing:	Not in compliance with the inventory.

**16. Other information**

**Revision Date:** 27.06.2019

**Version #:** 1.4

**Source of information:** Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, information from the Toxicology Data Network (TOXNET), European Chemical Agency (ECHA) substance dossiers, IARC Monographs, US National Toxicology Program data, the Agency for Toxic Substances and Disease Registry, other manufacturer's SDSs and other sources, as appropriate.

**Further Information:** No data available.



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