



OCI Company Ltd.

Material Safety Data Sheet

MSDS

Pure Water

Section 1 - Chemical Product and Company Identification

Product name : Pure Water

Recommended use : Laboratory chemicals, Testing, Research and Industrial use

Restriction of use : No data available

Company Identification

Company : OCI Company Ltd.

Address : 94, Sogong-ro, Jung-gu, Seoul, KOREA

Tel No. : 82 - 2 - 727 - 9494

Section 2 - Hazards Identification

- | | |
|--------------------------|----------------|
| 1) Hazard Classification | Not applicable |
| 2) Warning signal | |
| Symbol | Not applicable |
| Signal word | Not applicable |
| Hazard-Danger statement | Not applicable |
| Precautionary statements | |
| Precaution | Not applicable |
| Measures | Not applicable |
| Storage | Not applicable |
| Dispose | Not applicable |
| 3) NFPA | |
| Health Rating | 0 |
| Flammability Rating | 0 |
| Reactivity Rating | 0 |

Section 3 - Composition, Information on Ingredients

Component : Water

CAS No.: 7732-18-5

Content : 100%

Section 4 - First Aid Measures

- 1) Eye contact :

Rinse with plenty of water for at least 15minutes and get medical attention immediately

2) Skin contact :

Take off contaminated cloths and shoes immediately, wash with plenty of water and soap for at least 15minutes.

3) Inhalation :

Move victim to fresh air. If breathing is difficult, give artificial respiration and get medical attention immediately

4) Ingestion :

Do not induce vomiting. Get medical advice/attention immediately

5) Indication of immediate medical attention and special treatment needed Treatment :

Keep the medical personnel aware of the materials involved and take protective action.

Section 5 - Fire Fighting Measures

1) Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: None known.

2) Specific hazards arising from the chemical:

Thermal decomposition products: oxygen, hydrogen

3) Special protective equipment and precautions for fire fighters.

Move containers from fire area if you can do it without risk. When extinguishing a fire, be sure to wear personal protective equipment.

If it is not possible to extinguish the fire, withdraw immediately. Keep containers cool by spraying with water for a long time, even after the fire is out. Isolate hazardous areas and deny access to people

Section 6 - Accidental Release Measures

1) Personal precautions, protective equipment and emergency procedures :

Do not touch spilled material. Avoid inhalation and skin contact. In case of confined space, wear air respirator and ventilate and remove all sources of ignition.

2) Environmental precautions

Minimize leak/spill, collect and keep leak/spill in container

3) Methods and material for containment and cleaning up :

Soak up with sand, clay and other inert absorbent material

Section 7 - Handling and Storage

1) Precautions for safe handling :

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. All containers should be grounded.

2) Conditions for safe storage, including any incompatibilities :

Keep container tightly closed in a dry, cool place. Store in a well-ventilated place

Keep away from incompatible substances

Section 8 - Exposure Controls, Personal Protection

1) Occupational exposure limit, biological exposure limit

Domestic regulations : No data available

ACGIH : No data available

Biological exposure limit : No data available

2) Appropriate Engineering Controls :

Ensure compliance with applicable exposure limits and operate local exhaust ventilation when working

3) Personal protective equipment

Respiratory protection : Respiratory protection should be certified by the Health and Safety Authority.

It is concerned about the harmfulness of the human body depending on the working environment, it should wear respirator, air-purifying respirator.

There is no hazard due to chemicals, no protection is required under normal conditions.

Eye protection : There is no hazard due to chemicals, no protection is required under normal conditions.

Install eye wash facilities and emergency eyewash stations near chemical handling sites.

Hand Protection : There is no hazard due to chemicals, no protection is required under normal conditions

Skin & Body Protection : There is no hazard due to chemicals, no protection is required under normal conditions

Section 9 - Physical and Chemical Properties

Appearance

Physical state: Liquid

Form: Liquid

Color: colorless

Odor : Odorless

Odor threshold : No data available

pH : 5~8

Melting point/freezing point : 0°C

Initial boiling point and boiling range : 100°C

Flash Point : Not applicable

Evaporation rate : No data available.

Flammability (solid, gas) : Not applicable

Upper/lower limit on flammability or explosive limits : Not applicable

Vapor pressure : 23.8 mmHg (25°C)

Solubility(ies) : 100g/100mℓ

Vapor density : No data available

Relative density : 1.00

Partition coefficient (n-octanol/water) : -1.38

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available.

Viscosity : 0.8949 cP (at 25 °C)

Molecular weight : 18.02

Section 10 - Stability and Reactivity

1) Chemical stability and Possibility of hazardous reactions : Material is stable under normal conditions.

2) Conditions to avoid : Avoid heat, sparks, flames and other sources of ignition.

3) Incompatible materials : Alkali metals, hydrides, halogenating agents, sulfuric acid, sodium hydroxide

4) Hazardous decomposition products : Oxygen, Hydrogen

Section 11 - Toxicological Information

- 1) Information on likely routes of exposure :
 - Respiratory tracts : Not applicable.
 - Oral : Not applicable
 - Eye-Skin : Not applicable
- 2) Information on health hazards
 - Acute toxicity
 - Oral : LD50 90000 mg/kg Rat t
 - Dermal : No data available
 - Inhalation : No data available
 - Skin Corrosion/Irritation : No data available
 - Serious Eye Damage/Eye Irritation : No data available
 - Respiratory Sensitization : No data available.
 - Skin Sensitization : No data available
 - Carcinogenicity
 - Occupational Safety and Health Act : No data available.
 - Notice of Ministry of Employment and Labor : No data available
 - IARC : No data available
 - OSHA : No data available.
 - ACGIH : No data available
 - NTP : No data available.
 - EU CLP : No data available
 - Germ Cell Mutagenicity : No data available
 - Reproductive toxicity : No data available
 - Specific Target Organ Toxicity - Single Exposure : No data available
 - Specific Target Organ Toxicity - Repeated Exposure : No data available
 - Aspiration Hazard Product : No data available

Section 12 - Ecological Information

- 1) Ecotoxicity:
 - Fish : No data available
 - Invertebrates : No data available
 - Aquatic algae : No data available.
- 2) Persistence and degradability
 - Persistence : log Kow -1.38
 - Degradability : No data available.
- 3) Bioaccumulative potential
 - Concentrations : No data available
 - Biodegradability : No data available.
- 4) Mobility in soil : No data available.
- 5) Other adverse effects : No data available.

Section 13 - Disposal Considerations

- 1) Waste methods : If specified in the Waste Management Act, waste contents and containers in accordance with the regulations.
- 2) Precautions for Waste : Consider the precautions specified in the regulations when specified in the Waste Management Act

Section 14 - Transport Information

- 1) UN Number : Not regulated
- 2) Shipping Name : No data available
- 3) Hazard Class : No data available
- 4) Packing Group : No data available
- 5) Marine pollutant : No data available
- 6) Particular safety Measures for transportation :
 - Fire emergency measures : No data available
 - Leakage emergency measures : No data available

Section 15 - Regulatory Information

- 1) Occupation safety and health acts Standard material of exposure :
 - Not applicable
 - 2) Chemical Substances Control Act : Not applicable
 - 3) National law of Safety management of hazardous material : Not applicable
 - 4) National law of management of Wastes : Not applicable
 - 5) Other domestic and foreign law : Not applicable
- EU classification information (confirmed classification result) : Not applicable
EU classification information (risk statements) ; Not applicable
EU classification information (safety statements) : Not applicable

Section 16 - Other Information

- 1) Source of data :
 - A chemical information MSDS Safety and Health Agency
 - National Institute of Environmental Research Chemical Information Systems
 - Korea Industrial Technology National Fire Hazardous Materials Information System
- 2) 1st Write date : 04/29/2015
- 3) Revision and The final revision
 - Revision number : 3
 - Final revision date : 06/16/2023

The information provided is based on current knowledge and experience of the product and is not complete. This information applies to specific products unless otherwise noted. It should be noted that there is no guarantee of suitability for a particular purpose, mixing with other substances, commercial application or representation, or any technical or legal liability. In no event will you be exempt from compliance with all laws, administrative and regulatory procedures on product, personal hygiene, human welfare and environmental protection.