

Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Deionized Water

Chemical Family: Water

Manufacturer's Name: Siemens Industry, Inc. - Water Technologies Business Unit

Address: 4669 Shepherd Trail, Rockford, IL 61103

Product/Technical Information Phone Number: (815) 877-3041

Medical/Handling Emergency Phone Number: CHEMTREC 1-800-424-9300
24 hr / day everyday

Transportation Emergency Phone Number: CHEMTREC 1-800-424-9300
24 hr / day everyday

Revision Date / Revision Number: April 2011 / Rev 4

SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Water	100	7732-18-5

SECTION 3 – HAZARDS IDENTIFICATION

Appearance & Odor: Clear, colorless, odorless liquid.

Emergency Overview: Spills of liquid may be slippery and cold weather may freeze the liquid to form ice which is also very slippery.

Fire & Explosion Hazards: None known.

Primary Route(s) of Exposure: Ingestion, skin contact, eye contact

Inhalation – Acute Effects: Not expected to pose a serious health risk.

Skin Contact – Acute Effects: Not expected to pose a serious health risk.

Eye Contact – Acute Effects: Not expected to pose a serious health risk.

Ingestion – Acute Effects: Not expected to pose a serious health risk.

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Remove affected person to fresh air. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention immediately.

Skin Contact First Aid: Not required.

Eye Contact First Aid: Not required.

Ingestion First Aid: Not required.

Medical Conditions Aggravated: None known.

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Note to Physician: Treat patient symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: Not applicable

Auto Ignition Temperature: Not applicable

Upper/Lower Explosion Limits: Not applicable

Extinguishing Media: This material does not burn. Use extinguishing media appropriate for surrounding fire.

Fire Fighting Procedures: If surrounding material is involved in the fire, firefighters should wear proper protective equipment and NIOSH approved self-contained (positive pressure if available) breathing apparatus with full face piece.

Fire & Explosion Hazards: None known.

Hazardous Products of Decomposition and/or Combustion: None.

NFPA Ratings:

HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills/Leak Procedures: Spilled water can be a slipping hazard and may freeze in cold weather to form ice which is also slippery. Mop or absorb small spills. Pump or vacuum large spills.

SECTION 7 – HANDLING AND STORAGE

Handling: No unusual requirements.

Storage: Store at temperatures above 32⁰ F to prevent from freezing.

General Comments: None.

SECTION 8 –PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: Not required under normal use conditions.

Skin Protection: Wear insulated gloves if use conditions require contact with containers holding hot product.

Eye Protection: Not required under normal conditions of use. However, wear chemical goggles if use conditions generate steam or mists.

Ventilation Protection: General exhaust ventilation is adequate under normal use conditions.

Other Protection: None.

Exposure Limits: Exposure limits have not been established for this material.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212⁰ F

Freezing Point: 32⁰ F

Specific Gravity: 1.0

pH: Neutral

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Incompatibilities: Active metals such as sodium, lithium, powdered aluminum

Polymerization: Will not occur.

Hazardous Products of Decomposition: None

Conditions to Avoid: Incompatible materials.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicology:

Oral LD 50 (Rat) > 1000 mg / kg

Oral LDLo (Guinea pig) = 429 mg / kg

Dermal LD 50 (Rabbit) > 2000 mg / kg

Carcinogenicity/Mutagenicity: There are no known carcinogenic/mutagenic effects.

Reproductive Effects: There are no known reproductive effects.

SECTION 12 – ECOLOGICAL INFORMATION

There are no known ecological effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

This material may be flushed to a sanitary sewer if it has not been contaminated with other materials. Consult with local sewer authorities before flushing large quantities of this material to a sewer system.

SECTION 14 – TRANSPORTATION INFORMATION

Domestic Transportation: This material is not regulated as a hazardous material for transportation purposes.

International Transportation: This material is not regulated as a dangerous good for transportation purposes.

SECTION 15 – REGULATORY INFORMATION

This material is not regulated under other domestic or international regulations.

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SECTION 16 – OTHER INFORMATION

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the user thereof. It is the buyer's responsibility to ensure that its activities comply with federal, state, provincial and local laws.

Revision Indicator: April 2011, Revised Section 1 (Updated manufacturer's name)