Material Safety Data Sheet
Water, Deionized

Section 1 - Chemical Product and Company Identification

MSDS Name:
Water, Deionized

Catalog Numbers:
LC26750

Synonyms:
None

Company Identification:
LabChem Inc
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:
(412) 826-5230

Emergency Phone Number:
(800) 424-9300

CHEMTREC Phone Number:
(800) 424-9300 or
011-703-527-3887

Section 2 – Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>100</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

Emergency Overview

Appearance: Clear, colorless liquid
Water is expected to be a low hazard for usual industrial handling.

Target Organs: None

Potential Health Effects

Eye:
Low hazard for usual industrial handling.

Skin:
Low hazard for usual industrial handling.

Ingestion:
Low hazard for usual industrial handling.

Inhalation:
Low hazard for usual industrial handling.

Chronic:
No chronic hazards are associated with exposure to water.
Section 4 - First Aid Measures

**Eyes:**
No special first aid measures are necessary.

**Skin:**
No special first aid measures are necessary.

**Ingestion:**
No special first aid measures are necessary.

**Inhalation:**
No special first aid measures are necessary.

**Notes to Physician:**
Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

**General Information:**
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:**
For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**
Not applicable.

**Flash Point:**
Not applicable.

**NFPA Rating:**
CAS# 7732-18-5: Health- 0, Flammability- 0, Instability- 0.

**Explosion Limits:**
Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

**General Information:**
Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**
No special cleaning procedures are necessary. Wipe up spill with a mop or other absorbent material.

Section 7 - Handling and Storage

**Handling:**
No special precautions are necessary.

**Storage:**
No special precautions are necessary.
Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**
There are no special ventilation requirements.

**Exposure Limits:**

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
</tbody>
</table>

**OSHA Vacated PELs:**
None listed.

**Personal Protective Equipment**

**Eyes:**
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**
Wear appropriate gloves to prevent skin exposure.

**Clothing:**
Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: Colorless
Odor: Odorless
pH: 7
Vapor Pressure: Not available
Vapor Density: 17.5 mm Hg @ 20°C
Evaporation Rate: Not available
Viscosity: 1 cP @ 20°C
Boiling Point: 100°C
Freezing/Melting Point: 0°C
Decomposition Temperature: Not available
Solubility in water: Soluble
Specific Gravity/Density: 1.0
Molecular Formula: H₂O
Molecular Weight: 18.0134

Section 10 - Stability and Reactivity

**Chemical Stability:**
Stable under normal temperatures and pressures.

**Conditions to Avoid:**
Incompatible materials.
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Incompatibilities with Other Materials:
Water reactive substances (e.g. sulfuric acid, sodium metal, potassium metal, calcium carbide).

Hazardous Decomposition Products:
None.

Hazardous Polymerization:
Has not been reported.

Section 11 - Toxicological Information

RTECS:
CAS# 7732-18-5: ZC0110000.

LD50/LC50:
CAS# 7732-18-5:
Oral, rat: LD50 = 99,999 mg/kg.

Carcinogenicity:
CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:
No information found

Teratogenicity:
No information found

Reproductive:
No information found

Mutagenicity:
No information found

Neurotoxicity:
No information found

Section 12 - Ecological Information

No information found

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Not regulated.
Hazard Class:
UN Number:
Packing Group:
Section 15 - Regulatory Information

US Federal

TSCA:
CAS# 7732-18-5 is listed on the TSCA inventory.

SARA Reportable Quantities (RQ):
None of the components are on this list.

CERCLA/SARA Section 313:
None of the components are on this list.

OSHA - Highly Hazardous:
None of the chemicals in this product are considered highly hazardous by OSHA.

US State

State Right to Know:
None of the components are on this list.

California Regulations:
None.

European/International Regulations

Canadian DSL/NDSL:
CAS# 7732-18-5 is listed on Canada's DSL List.

Canada Ingredient Disclosure List:
CAS# 7732-18-5 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: April 11, 1999
Revision Date: October 8, 2012

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