**Water**
Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/15/2013  Revision date: 09/12/2014  Supersedes: 11/15/2013  Version: 1.1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1. **Product identifier**
- Product form: Substance
- Substance name: Water
- CAS No: 7732-18-5
- Product code: LC26750
- Formula: H2O

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
- Use of the substance/mixture: For laboratory and manufacturing use only.

1.3. **Details of the supplier of the safety data sheet**
LabChem Inc
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court
Zelienople, PA 16063 - USA
T 412-826-5230 - F 724-473-0647
info@labchem.com - www.labchem.com

1.4. **Emergency telephone number**
- Emergency number: CHEMTREC: 1-800-424-9300 or 011-703-527-3887

**SECTION 2: Hazards identification**

2.1. **Classification of the substance or mixture**
- GHS-US classification: Not classified

2.2. **Label elements**
- GHS-US labelling: No labelling applicable

2.3. **Other hazards**
- Other hazards not contributing to the classification: None.

2.4. **Unknown acute toxicity (GHS-US)**
- No data available

**SECTION 3: Composition/information on ingredients**

3.1. **Substance**
- Substance type: Mono-constituent
- Name: Water
- CAS No: 7732-18-5
- EC no: 231-791-2

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water (Main constituent)</td>
<td>(CAS No) 7732-18-5</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

3.2. **Mixture**
- Not applicable

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**
- First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation: Assure fresh air breathing. Allow the victim to rest. Adverse effects not expected from this product.
- First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Adverse effects not expected from this product.
First-aid measures after eye contact: Rinse immediately with plenty of water. Adverse effects not expected from this product.

First-aid measures after ingestion: Do NOT induce vomiting. Obtain emergency medical attention. Adverse effects not expected from this product.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media


### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- **Storage conditions:** Keep container closed when not in use.
- **Incompatible products:** Metallic sodium.
- **Incompatible materials:** Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

- **Appropriate engineering controls:** Provide adequate general and local exhaust ventilation.
- **Hand protection:** Wear protective gloves.
- **Eye protection:** Chemical goggles or safety glasses.
- **Respiratory protection:** None necessary.
- **Other information:** Do not eat, drink or smoke during use.
### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>18 g/mol</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>None</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>7</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>0 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Critical temperature</td>
<td>374.1 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>17.535 mm Hg</td>
</tr>
<tr>
<td>Vapour pressure at 50 °C</td>
<td>92.51 mm Hg</td>
</tr>
<tr>
<td>Critical pressure</td>
<td>218.3 atm</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1</td>
</tr>
<tr>
<td>Density</td>
<td>0.99823 g/ml</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>1.004 cSt</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>1.002 cP</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>None</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Extremely high or low temperatures.

#### 10.5. Incompatible materials

Metallic sodium.

#### 10.6. Hazardous decomposition products

Hydrogen. oxygen.
SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Water (if) 7732-18-5

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>≥ 90000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>90000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
pH: 7

Serious eye damage/irritation : Not classified
pH: 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified
(Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability

Water (7732-18-5)

<p>| | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

Water (7732-18-5)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information
Other information : No supplementary information available.
**Water**

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### Transport by sea
No additional information available

### Air transport
No additional information available

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**SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

<table>
<thead>
<tr>
<th><strong>Water (7732-18-5)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
<td></td>
</tr>
</tbody>
</table>

#### 15.2. International regulations

**CANADA**

<table>
<thead>
<tr>
<th><strong>Water (7732-18-5)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Sustances List)</td>
<td></td>
</tr>
<tr>
<td>WHMIS Classification</td>
<td>Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>

**EU-Regulations**
No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
Not classified

**Classification according to Directive 67/548/EEC or 1999/45/EC**
Not classified

#### 15.2.2. National regulations

<table>
<thead>
<tr>
<th><strong>Water (7732-18-5)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Not listed on the Canadian IDL (Ingredient Disclosure List)</td>
<td></td>
</tr>
</tbody>
</table>

#### 15.3. US State regulations
No additional information available

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**SECTION 16: Other information**

Revision date : 09/12/2014

Other information : None.

**NFPA health hazard** : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

**NFPA fire hazard** : 0 - Materials that will not burn.

**NFPA reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

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**HMIS III Rating**

<table>
<thead>
<tr>
<th><strong>Health</strong></th>
<th>0 Minimal Hazard - No significant risk to health</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flammability</strong></td>
<td>0 Minimal Hazard</td>
</tr>
<tr>
<td><strong>Physical</strong></td>
<td>0 Minimal Hazard</td>
</tr>
<tr>
<td><strong>Personal Protection</strong></td>
<td>A</td>
</tr>
</tbody>
</table>

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**SDS US (GHS HazCom 2012)**

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09/12/2014 EN (English) 5/5