SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Deionized Water Type II
Manufacturer/Supplier Article number: DFDW4000-D

Recommended uses of the product and restrictions on use: Laboratory

Manufacturer Details:
AquaPhoenix Scientific
860 Gitts Run Road,
Hanover, PA 17331
(717) 632-1291

Supplier Details:
DeFelsko Corporation
800 Proctor Ave, Ogdensburg, NY 13669-2205 USA
(315) 393-4450

Emergency telephone number:
Emergency Telephone No.: 800-255-3924

SECTION 2: Hazards identification

Classification of the substance or mixture:
Not classified for physical or health hazards under GHS.

Signal word: None

Hazard statements: None

Precautionary statements: None

Other Non-GHS Classification: None

SECTION 3: Composition/information on ingredients

Ingredients:
<table>
<thead>
<tr>
<th>CAS 7732-18-5</th>
<th>Deionized Water</th>
<th>100 %</th>
</tr>
</thead>
</table>

Percentages are by weight

SECTION 4: First aid measures

Description of first aid measures

After inhalation:
Move exposed individual to fresh air.

After skin contact:
Wash affected area with soap and water.

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**Deionized Water Type II**

**Safety Data Sheet**

according to 29CFR1910/1200 and GHS Rev. 3

**Initial preparation date:** 01.08.2015

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**After eye contact:**

Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

**After swallowing:**

Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

**Most important symptoms and effects, both acute and delayed:**


**Indication of any immediate medical attention and special treatment needed:**

If seeking medical attention, provide SDS document to physician.

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**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing agents:**

If in laboratory setting, follow laboratory fire suppression procedures.

**Unsuitable extinguishing agents:** None

**Special hazards arising from the substance or mixture:** None

**Advice for firefighters:**

**Protective equipment:** None

**Additional information (precautions):**

Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

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**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**

Stop the spill, if possible. Contain spilled material by diking or using inert absorbent.

**Environmental precautions:**

Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13.

**Methods and material for containment and cleaning up:**

If in a laboratory setting, follow Chemical Hygiene Plan procedures. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor.

**Reference to other sections:** None

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**SECTION 7: Handling and storage**

**Precautions for safe handling:**

Follow good hygiene procedures when handling chemical materials. Avoid splashes or spray in enclosed areas.

**Conditions for safe storage, including any incompatibilities:**

Store in cool, dry conditions in well sealed containers.

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**SECTION 8: Exposure controls/personal protection**

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Deionized Water Type II

Control parameters:

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling.

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed.

Protection of skin: The glove material has to be impermeable and resistant to the product/the substance/the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection: Safety glasses with side shields or goggles.

General hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (physical state, color)</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Explosion limit lower:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosion limit upper:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Vapor pressure at 20°C:</td>
<td>17.5 mmHg at 20°C</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting/Freezing point:</td>
<td>0°C</td>
</tr>
<tr>
<td>Solubilities:</td>
<td>None</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>100°C</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point (closed cup):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto/Self-ignition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>a. Kinematic: Not determined</td>
</tr>
<tr>
<td>Density at 20°C:</td>
<td>Not determined</td>
</tr>
<tr>
<td>b. Dynamic:</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

Reactivity: None

Chemical stability: No decomposition if used and stored according to specifications.

Possible hazardous reactions: None

Conditions to avoid: Store away from oxidizing agents, strong acids or bases.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products: Carbon oxides (CO, CO2).

SECTION 11: Toxicological information
Deionized Water Type II

SECTION 11: Toxicological information

Acute Toxicity: No additional information.
Chronic Toxicity: No additional information.
Skin corrosion/irritation: No additional information.
Serious eye damage/irritation: No additional information.
Respiratory or skin sensitization: No additional information.
Carcinogenicity: No additional information.
Germ cell mutagenicity: No additional information.
Reproductive Toxicity: No additional information.
STOT-single and repeated exposure: No additional information.
Additional toxicological information: No additional information.

SECTION 12: Ecological information

Ecotoxicity: No additional information.
Persistence and degradability:
  Readily degradable in the environment.
Bioaccumulative potential: No additional information.
Mobility in soil:
  Aqueous solution has high mobility in soil.
Other adverse effects: No additional information.

SECTION 13: Disposal considerations

Waste disposal recommendations:
  Product/containers must not be disposed together with household garbage. Do not allow product to reach sewage system or open water. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Consult federal state/provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

SECTION 14: Transport information

US DOT

UN Number: ADR, ADN, DOT, IMDG, IATA
  Not Dangerous Goods

Limited Quantity Exception: None

Bulk: None
RQ (if applicable): None
Proper shipping Name: Not Dangerous Goods.
Hazard Class: None
Marine Pollutant (if applicable): No additional information.
Comments: None

Non Bulk: None
RQ (if applicable): None
Proper shipping Name: Not Dangerous Goods.
Hazard Class: None
Marine Pollutant (if applicable): No additional information.
Comments: None
Deionized Water Type II

SECTION 15: Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):
None of the ingredients are listed.

SARA Section 313 (Specific toxic chemical listings):
None of the ingredients are listed.

RCRA (hazardous waste code):
None of the ingredients are listed.

TSCA (Toxic Substances Control Act):
All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):
None of the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):
All ingredients are listed.

SECTION 16: Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

NFPA: 0-0-0
HMIS: 0-0-0
GHS Full Text Phrases: None

Abbreviations and Acronyms:
PNEC: Predicted No-Effect Concentration (REACH).
Deionized Water Type II

<table>
<thead>
<tr>
<th>CFR</th>
<th>Code of Federal Regulations (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act (USA).</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act (USA).</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act (USA).</td>
</tr>
<tr>
<td>NPRI</td>
<td>National Pollutant Release Inventory (Canada).</td>
</tr>
<tr>
<td>DOT</td>
<td>US Department of Transportation.</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association.</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System of Classification and Labelling of Chemicals.</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (division of the American Chemical Society).</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association (USA).</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System (USA).</td>
</tr>
<tr>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System (Canada).</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No-Effect Level (REACH).</td>
</tr>
</tbody>
</table>