SECTION 1: Identification

1.1. Identification

Product form: Mixtures
Product name: Cadmium AA Standard, 1000ppm
Product code: LC12600

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.
Recommended use: Laboratory chemicals
Restrictions on use: Not for food, drug or household use

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: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Corrosive to metals Category 1: H290
Skin corrosion/irritation Category 1B: H314
Serious eye damage/eye irritation Category 1: H318
Carcinogenicity Category 1B: H350
Reproductive toxicity Category 2: H361
Hazardous to the aquatic environment - Acute Hazard Category 1: H400

Full text of H statements: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US):

- GHS05
- GHS08
- GHS09

Signal word (GHS-US): Danger

Hazard statements (GHS-US):

- H290 - May be corrosive to metals
- H314 - Causes severe skin burns and eye damage
- H350 - May cause cancer
- H361 - Suspected of damaging fertility or the unborn child
- H400 - Very toxic to aquatic life

Precautionary statements (GHS-US):

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P234 - Keep only in original container
- P260 - Do not breathe mist, vapors, spray
- P264 - Wash exposed skin thoroughly after handling
- P273 - Avoid release to the environment
- P280 - Wear protective gloves, protective clothing, eye protection, face protection
- P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
- P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a poison center or doctor/physician
- P360 - Wash contaminated clothing before reuse
- P390 - Absorb spillage to prevent material damage
P405 - Store locked up
P406 - Store in corrosive resistant container with a resistant inner liner
P501 - Dispose of contents/container to comply with local, state and federal regulations
If inhaled: Remove person to fresh air and keep comfortable for breathing

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

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>(CAS No) 7732-18-5</td>
<td>95.3</td>
<td>Not classified</td>
</tr>
<tr>
<td>Nitric Acid, 70% w/w</td>
<td>(CAS No) 7697-37-2</td>
<td>4.6</td>
<td>Ox. Liq. 3, H272</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Met. Corr. 1, H290</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1A, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Cadmium (non-pyrophoric)</td>
<td>(CAS No) 7440-43-9</td>
<td>0.1</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 2 (Inhalation), H330</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Muta. 2, H341</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Carc. 1B, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Repr. 2, H361</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1, H372</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : Never give anything by mouth to an unconscious person. If exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries : Causes severe skin burns and eye damage. May cause cancer. Suspected of damaging fertility or the unborn child.
Symptoms/injuries after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/injuries after skin contact : Burns.
Symptoms/injuries after eye contact : Causes serious eye damage.
Symptoms/injuries after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic symptoms : May cause cancer. May damage the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Reactivity : Thermal decomposition generates : Corrosive vapors.
5.3. Advice for firefighters

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

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

General measures: Dike and contain spill.

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. Avoid release to the environment.

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. Collect spillage. Store away from other materials. Absorb spillage to prevent material damage.

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

Additional hazards when processed: May be corrosive to metals.

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: incompatible materials. Keep container closed when not in use.

Incompatible products: Strong bases. Strong reducing agents.

Incompatible materials: Sources of ignition. Direct sunlight.

Packaging materials: Store in a corrosion resistant container with a resistant inner liner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>OSHA PEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium (non-pyrophoric) (7440-43-9)</td>
<td>0.1 mg/m³</td>
<td>0.005 mg/m³</td>
</tr>
<tr>
<td>Nitric Acid, 70% w/w (7697-37-2)</td>
<td>2 ppm (Nitric acid; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)</td>
<td>4 ppm (Nitric acid; USA; Short time value; TLV - Adopted Value)</td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>2 ppm</td>
</tr>
<tr>
<td>IDLH</td>
<td>US IDLH (ppm)</td>
<td>25 ppm</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>
Cadmium AA Standard, 1000ppm
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Nitric Acid, 70% w/w (7697-37-2)

<table>
<thead>
<tr>
<th></th>
<th>NIOSH REL (TWA) (ppm)</th>
<th>NIOSH REL (STEL) (mg/m³)</th>
<th>NIOSH REL (STEL) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIOSH</td>
<td>2 ppm</td>
<td>10 mg/m³</td>
<td>4 ppm</td>
</tr>
</tbody>
</table>

Water (7732-18-5)
Not applicable

8.2. Exposure controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or face shield.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Respiratory protection not required in normal conditions.
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>Appearance</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>1 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</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>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity
Thermal decomposition generates: Corrosive vapors.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
May react violently with reducing agents.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong reducing agents. Strong bases. Metals. May be corrosive to metals.

10.6. Hazardous decomposition products
Hydrogen chloride. Cadmium.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Skin and eye contact
Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Cadmium (non-pyrophoric) (7440-43-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>ATE US (oral)</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
</tr>
</tbody>
</table>

Water (7732-18-5)

| LD50 oral rat | ≥ 90000 mg/kg |
| ATE US (oral) | 90000.000 mg/kg body weight |

Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer.

<table>
<thead>
<tr>
<th>Cadmium (non-pyrophoric) (7440-43-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
</tr>
<tr>
<td>National Toxicology Program (NTP) Status</td>
</tr>
</tbody>
</table>

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
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.
Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Burns.
Carcinogenicity : May cause cancer. May damage the unborn child.
Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
### SECTION 12: Ecological information

#### 12.1. Toxicity

**Ecology - water**: Very toxic to aquatic life.

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cadmium (non-pyrophoric)</strong></td>
<td>0.001 mg/l</td>
<td>0.024 mg/l</td>
</tr>
<tr>
<td><strong>Nitric Acid, 70% w/w</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>180 mg/l (EC50; 48 h)</td>
<td></td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>72 ppm (LC50; 96 h)</td>
<td></td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>&gt; 19 mg/l (EC0)</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cadmium AA Standard, 1000ppm</strong></td>
<td>Not established.</td>
</tr>
<tr>
<td><strong>Nitric Acid, 70% w/w</strong></td>
<td>Biodegradability: not applicable. No test data on mobility of the components available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Biochemical oxygen demand (BOD)</th>
<th>Chemical oxygen demand (COD)</th>
<th>ThOD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nitric Acid, 70% w/w</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td><strong>Water</strong> (7732-18-5)</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cadmium AA Standard, 1000ppm</strong></td>
<td>Not established.</td>
</tr>
<tr>
<td><strong>Nitric Acid, 70% w/w</strong></td>
<td>Bioaccumulation: not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>BCF fish 1</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nitric Acid, 70% w/w</strong></td>
<td>&lt;= 1 (BCF)</td>
<td>-2.3</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
<tr>
<td><strong>Water</strong> (7732-18-5)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

- **Effect on the global warming**: No known effects from this product.
- **GWPmix comment**: No known effects from this product.
- **Other information**: Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Waste disposal recommendations</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ecology - waste materials</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid release to the environment.</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 14: Transport information

#### Department of Transportation (DOT)

<table>
<thead>
<tr>
<th>Waste disposal recommendations</th>
<th>UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid), 8, II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - waste materials</td>
<td>UN3264</td>
</tr>
</tbody>
</table>

12/28/2016 EN (English US)
**Cadmium AA Standard, 1000ppm**  
Safety Data Sheet  
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Proper Shipping Name (DOT)</th>
<th>Corrosive liquid, acidic, inorganic, n.o.s.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class(es) (DOT)</td>
<td>8 - Class 8 - Corrosive material 49 CFR 173.136</td>
</tr>
<tr>
<td>Packing group (DOT)</td>
<td>II - Medium Danger</td>
</tr>
<tr>
<td>Hazard labels (DOT)</td>
<td>8 - Corrosive</td>
</tr>
</tbody>
</table>

Dangerous for the environment : Yes  
Marine pollutant : Yes

**DOT Packaging Non Bulk (49 CFR 173.xxx)** : 202  
**DOT Packaging Bulk (49 CFR 173.xxx)** : 242  
**DOT Symbols** : G - Identifies PSN requiring a technical name  
**DOT Special Provisions (49 CFR 172.102)** :  
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T11 - 6 178.274(d)(2) Normal............. 178.275(d)(3)  
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, Tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (Tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.  
TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

**DOT Packaging Exceptions (49 CFR 173.xxx)** : 154  
**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)** : 1 L  
**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)** : 30 L  
**DOT Vessel Stowage Location** : B - (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.  
**DOT Vessel Stowage Other** : 40 - Stow “clear of living quarters”  
**Other information** : No supplementary information available.

**SECTION 15: Regulatory information**

15.1 US Federal regulations

| Cadmium AA Standard, 1000ppm | Immediate (acute) health hazard  
|-------------------------------| Delayed (chronic) health hazard |

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.
**Cadmium AA Standard, 1000ppm**  
Safety Data Sheet  
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No</th>
<th>RQ (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium (non-pyrophoric)</td>
<td>7440-43-9</td>
<td>10</td>
</tr>
<tr>
<td>Nitric Acid, 70% w/w</td>
<td>7697-37-2</td>
<td>1000</td>
</tr>
</tbody>
</table>

**15.2. International regulations**

**CANADA**

**Cadmium AA Standard, 1000ppm**

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class D Division 2 Subdivision A</td>
<td>Very toxic material causing other toxic effects</td>
</tr>
<tr>
<td>Class E</td>
<td>Corrosive Material</td>
</tr>
</tbody>
</table>

**Cadmium (non-pyrophoric) (7440-43-9)**

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class D Division 1 Subdivision A</td>
<td>Very toxic material causing immediate and serious toxic effects</td>
</tr>
<tr>
<td>Class D Division 2 Subdivision A</td>
<td>Very toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

**Nitric Acid, 70% w/w (7697-37-2)**

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class E</td>
<td>Corrosive Material</td>
</tr>
<tr>
<td>Class C</td>
<td>Oxidizing Material</td>
</tr>
</tbody>
</table>

**Water (7732-18-5)**

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uncontrolled product according to WHMIS classification criteria</td>
<td></td>
</tr>
</tbody>
</table>

**EU-Regulations**

No additional information available

**National regulations**

**Cadmium (non-pyrophoric) (7440-43-9)**

<table>
<thead>
<tr>
<th>Regulations</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian IDL (Ingredient Disclosure List)</td>
<td></td>
</tr>
</tbody>
</table>

**15.3. US State regulations**

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

<table>
<thead>
<tr>
<th>Cadmium (non-pyrophoric) (7440-43-9)</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
<td>Yes</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
<td>Yes</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
<td>No</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</td>
<td>Yes</td>
</tr>
<tr>
<td>No significant risk level (NSRL)</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

Revision date : 12/28/2016  
Other information : None.
Cadmium AA Standard, 1000ppm
Safety Data Sheet

Full text of H-phrases: see section 16:

| H272     | May intensify fire; oxidizer |
| H290     | May be corrosive to metals  |
| H302     | Harmful if swallowed        |
| H314     | Causes severe skin burns and eye damage |
| H318     | Causes serious eye damage  |
| H330     | Fatal if inhaled            |
| H341     | Suspected of causing genetic defects |
| H350     | May cause cancer            |
| H361     | Suspected of damaging fertility or the unborn child |
| H372     | Causes damage to organs through prolonged or repeated exposure |
| H400     | Very toxic to aquatic life  |
| H410     | Very toxic to aquatic life with long lasting effects |

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

HMIS III Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : J

J - Splash goggles, Gloves, Synthetic apron, Dust & vapor respirator

SDS US LabChem

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