**SECTION 1: Identification**

1.1. Identification

- **Product form**: Substance
- **Substance name**: Hydrochloric Acid, 37% w/w
- **CAS-No.**: 7647-01-0
- **Product code**: LC14950
- **Formula**: HCl
- **Synonyms**: hydrochloric acid, conc=37%, aqueous solution

1.2. Recommended use and restrictions on use

- **Use of the substance/mixture**: Laboratory chemical
- **Recommended use**: Laboratory chemicals
- **Restrictions on use**: Not for food, drug or household use

1.3. Supplier

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 +1-703-741-5970

**SECTION 2: Hazard(s) identification**

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>GHS US classification</th>
<th>H302</th>
<th>H314</th>
<th>H318</th>
<th>H335</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral) Category 4</td>
<td>Harmful if swallowed</td>
<td>Causes severe skin burns and eye damage</td>
<td>Causes serious eye damage</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>Skin corrosion/irritation Category 1B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation Category 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure) Category 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

- **Hazard pictograms (GHS US)**: 
- **Signal word (GHS US)**: Danger
- **Hazard statements (GHS US)**: 
  - H302 - Harmful if swallowed
  - H314 - Causes severe skin burns and eye damage
  - H318 - Causes serious eye damage
  - H335 - May cause respiratory irritation

- **Precautionary statements (GHS US)**: 
  - P260 - Do not breathe mist, spray, vapors.
  - P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P264 - Wash exposed skin thoroughly after handling.
  - P270 - Do not eat, drink or smoke when using this product.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P280 - Wear eye protection, face protection, protective clothing, protective gloves.
  - P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
  - 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.
  - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - 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.
  - P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - If swallowed, rinse mouth
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to Comply with applicable regulations.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification: None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type: Multi-constituent
Name: Hydrochloric Acid, 37% w/w
CAS-No.: 7647-01-0

<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>63</td>
<td>Not classified</td>
</tr>
<tr>
<td>Hydrochloric Acid</td>
<td>(CAS-No.) 7647-01-0</td>
<td>37</td>
<td>Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314</td>
</tr>
</tbody>
</table>

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

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures


First-aid measures after inhalation: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact: Wash immediately with PE-glycol 400. Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.

First-aid measures after eye contact: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist.


4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms: Causes severe skin burns. May cause respiratory irritation. Causes serious eye damage.


Symptoms/effects after skin contact: Caustic burns/corrosion of the skin.

Symptoms/effects after eye contact: Corrosion of the eye tissue. Permanent eye damage.


4.3. Immediate medical attention and special treatment, if necessary

Obtain medical assistance.
### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- **Suitable extinguishing media**: Adapt extinguishing media to the environment for surrounding fires.

#### 5.2. Specific hazards arising from the chemical

- **Fire hazard**: DIRECT FIRE HAZARD. Non combustible. INDIRECT FIRE HAZARD. Reactions involving a fire hazard: see "Reactivity Hazard".
- **Explosion hazard**: INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".

#### 5.3. Special protective equipment and precautions for fire-fighters

- **Precautionary measures fire**: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighbourhood close doors and windows.
- **Firefighting instructions**: Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.
- **Protection during firefighting**: Heat/fire exposure: compressed air/oxygen apparatus.

### SECTION 6: Accidental release measures

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

**General measures**: Dike and contain spill.

- **For non-emergency personnel**

- **For emergency responders**
  - **Protective equipment**: Equip cleanup crew with proper protection.
  - **Emergency procedures**: Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

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

**For containment**: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Hazardous reaction: measure explosive gas-air mixture. If reacting; dilute combustible/toxic gases/vapours. Take account of toxic/corrosive precipitation water. Heat exposure: dilute toxic gas/vapour with water spray.

**Methods for cleaning up**: Liquid spill: neutralize with soda (sodium carbonate). Neutralized substance: take up in absorbent material. Scoop absorbed substance into closing containers. Damaged/cooled tanks must be emptied. Carefully collect the spill/leftovers. Take collected spill to manufacturer/competent authority. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- **Precautions for safe handling**: Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep container tightly closed.

- **Hygiene measures**: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

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

- **Storage conditions**: Store in original container.
- **Incompatible products**: Strong bases. metals. cyanides.
Hydrochloric Acid, 37% w/w
Safety Data Sheet

Incompatible materials: Metals.
Storage temperature: 2 – 25 ºC
Heat-ignition: KEEP SUBSTANCE AWAY FROM: heat sources.
Prohibitions on mixed storage: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) bases. metals. amines.
Storage area: Ventilation at floor level. Keep locked up. Provide for a tub to collect spills. Meet the legal requirements.
Special rules on packaging: SPECIAL REQUIREMENTS: closing. corrosion-proof. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials: MATERIAL TO AVOID: steel. metal.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>ACGIH Ceiling (mg/m³)</th>
<th>ACGIH Ceiling (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acid, 37% w/w (7647-01-0)</td>
<td>2.98 mg/m³</td>
<td>2 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSJA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IDLH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>NIOSH REL (ceiling) (mg/m³)</th>
<th>NIOSH REL (ceiling) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acid (7647-01-0)</td>
<td>7 mg/m³</td>
<td>5 ppm</td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>NIOSH REL (ceiling) (mg/m³)</th>
<th>NIOSH REL (ceiling) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water (7732-18-5)</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Material should be handled in a laboratory hood whenever possible.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Protective goggles. Protective clothing. Gloves. Gas mask with filter type E.

Materials for protective clothing:
GIVE GOOD RESISTANCE: natural rubber. nitrile rubber

Hand protection:
Gloves

Eye protection:
Face shield

Skin and body protection:
Corrosion-proof clothing

Respiratory protection:
Full face mask with filter type B. Full face mask with filter type E. High vapour/gas concentration: self-contained respirator

Personal protective equipment symbol(s):
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>Colourless</td>
</tr>
<tr>
<td>Odor</td>
<td>Irritating/pungent odour</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>-30 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>17.2 kPa</td>
</tr>
<tr>
<td>Vapor pressure at 50 °C</td>
<td>50.7 kPa</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.2</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>1190 kg/m³</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>36.46 g/mol</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water. Water: complete</td>
</tr>
<tr>
<td>Log Pow</td>
<td>0.25 (QSAR)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>1.933 mm²/s</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>2.3 mPa·s (15 °C)</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>None.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>0.25 (QSAR)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>1.933 mm²/s</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>2.3 mPa·s (15 °C)</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>None.</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum ignition energy</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VOC content</td>
<td>0 %</td>
</tr>
<tr>
<td>Other properties</td>
<td>Gas/vapour heavier than air at 20°C. Producing fumes/mist. Substance has acid reaction.</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

On exposure to air: release of corrosive mist. Reacts violently with (some) bases. Reacts exothermically with many compounds.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Reacts violently with (some) bases: release of heat.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Strong bases. metals. cyanides. silver nitrate.
10.6. Hazardous decomposition products
Hydrogen chloride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral): Harmful if swallowed.
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified

Hydrochloric Acid, 37% w/w (7647-01-0)
LD50 oral rat: 700 mg/kg
LD50 dermal rabbit: 5010 mg/kg
ATE US (oral): 700 mg/kg body weight
ATE US (dermal): 5010 mg/kg body weight

Hydrochloric Acid (7647-01-0)
ATE US (gases): 700 ppm/4h

Water (7732-18-5)
LD50 oral rat: ≥ 90000 mg/kg
ATE US (oral): 90000 mg/kg body weight

Skin corrosion/irritation: Causes severe skin burns. pH: < 1
Serious eye damage/irritation: Causes serious eye damage. pH: < 1
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

Hydrochloric Acid (7647-01-0)
IARC group: 3 - Not classifiable

Reproductive toxicity: Not classified
STOT-single exposure: May cause respiratory irritation.
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified
Viscosity, kinematic: 1.933 mm²/s
Likely routes of exposure: Inhalation. Skin and eye contact.
Potential Adverse human health effects and symptoms: Causes severe skin burns. May cause respiratory irritation. Causes serious eye damage.
Symptoms/effects after skin contact: Caustic burns/corrosion of the skin.
Symptoms/effects after eye contact: Corrosion of the eye tissue. Permanent eye damage.

SECTION 12: Ecological information

Ecology - general: Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).

Hydrochloric Acid, 37% w/w (7647-01-0)
LC50 fish 1: 282 mg/l (96 h, Gambusia affinis, Pure substance)
Hydrochloric Acid, 37% w/w
Safety Data Sheet

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hydrochloric Acid, 37% w/w (7647-01-0)</strong></td>
<td>&lt; 56 mg/l (72 h, Daphnia magna, Pure substance)</td>
</tr>
</tbody>
</table>

**Biodegradability**
- Not applicable.

**Chemical oxygen demand (COD)**
- Not applicable

**ThOD**
- Not applicable

**BOD (% of ThOD)**
- Not applicable

**Water (7732-18-5)**
- Persistence and degradability
  - Not established.

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hydrochloric Acid, 37% w/w (7647-01-0)</strong></td>
<td>0.25 (QSAR)</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

**Water (7732-18-5)**
- Bioaccumulative potential
  - Not established.

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hydrochloric Acid, 37% w/w (7647-01-0)</strong></td>
<td>No (test)data on mobility of the components available. May be harmful to plant growth, blooming and fruit formation.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

- No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

**Waste disposal recommendations**
- Treat using the best available techniques before discharge into drains or the aquatic environment. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized dump (Class I). Dehydrate/make insoluble. Immobilize the toxic or harmful components.

**Additional information**

SECTION 14: Transport information

**Department of Transportation (DOT)**
- In accordance with DOT
- **Transport document description**
  - UN1789 Hydrochloric acid, 8, II
- **UN-No. (DOT)**
  - UN1789
- **Proper Shipping Name (DOT)**
  - Hydrochloric acid
- **Transport hazard class(es) (DOT)**
  - 8 - Class 8 - Corrosive material 49 CFR 173.136
- **Packing group (DOT)**
  - II - Medium Danger
- **Hazard labels (DOT)**
  - 8 - Corrosive
**Hydrochloric Acid, 37% w/w**  
**Safety Data Sheet**

DOT Packaging Non Bulk (49 CFR 173.xxx) : 202  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Special Provisions (49 CFR 172.102) :  
- A3 - For combination packaging, if glass inner packaging (including ampoules) are used, they must be packed with absorbent material in tightly closed metal receptacles before packing in outer packaging.  
- A6 - For combination packaging, if plastic inner packaging are used, they must be packed in tightly closed metal receptacles before packing in outer packaging.  
- B3 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks and DOT 57 portable tanks are not authorized.  
- B15 - Packaging must be protected with non-metallic linings impervious to the lading or have a suitable corrosion allowance.  
- 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.  
- N41 - Metal construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.  
- T8 - 4 178.274(d)(2) Normal............. Prohibited  
- TP12 - This material is considered highly corrosive to steel.  

**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** : C - The material must be stowed “on deck only” on a cargo vessel and on a passenger vessel.  
**Other information** : No supplementary information available.

**SECTION 15: Regulatory information**

**15.1: US Federal regulations**

**Hydrochloric Acid, 37% w/w (7647-01-0)**

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>T - T - indicates a substance that is the subject of a final TSCA section 4 test rule.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RQ (Reportable quantity, section 304 of EPA's List of Lists)</td>
<td>5000 lb</td>
</tr>
<tr>
<td>RQ (Reportable quantity, section 304 of EPA's List of Lists)</td>
<td>5000 lb</td>
</tr>
<tr>
<td>SARA Section 302 Threshold Planning Quantity (TPQ)</td>
<td>500 lb</td>
</tr>
</tbody>
</table>
| SARA Section 311/312 Hazard Classes | Health hazard - Acute toxicity (any route of exposure)  
Health hazard - Skin corrosion or Irritation  
Health hazard - Serious eye damage or eye irritation  
Health hazard - Specific target organ toxicity (single or repeated exposure) |

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.

| Hydrochloric Acid | CAS-No. 7647-01-0 | 37% |
Hydrochloric Acid, 37% w/w
Safety Data Sheet

Hydrochloric Acid (7647-01-0)

<table>
<thead>
<tr>
<th>RQ (Reportable quantity, section 304 of EPA's List of Lists)</th>
<th>5000 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 302 Threshold Planning Quantity (TPQ)</td>
<td>500 lb</td>
</tr>
</tbody>
</table>

15.2. International regulations

CANADA
No additional information available

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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

Revision date: 01/22/2020

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H280</th>
<th>Contains gas under pressure; may explode if heated</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

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: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.

Hazard 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: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal protection: H
H - Splash goggles, Gloves, Synthetic apron, Vapor respirator

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