EFFECTS OF ACUTE EXPOSURE TO PRODUCT
May cause burning or irritation of eyes and mucous membranes. Vapors or direct contact can cause skin irritation and or allergic reaction that may not be painful or visible. Harmful if swallowed. Ingestion can cause irritation and mouth, throat and stomach burns. Prolonged inhalation of vapors may be irritating and cause headaches.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT
None known

SKIN CONTACT
Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT
Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION
DO NOT induce vomiting. Seek medical attention immediately.

INHALATION
If inhaled, remove to fresh air.

SECTION 2 - Product and Hazardous Ingredients Information

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>W/W %</th>
<th>Permissible Exposure Limit</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60-100</td>
<td>not listed</td>
<td>42.6 gm/kg</td>
<td>not available</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>20-30</td>
<td>not listed</td>
<td>3000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td>7647-01-0</td>
<td>2-5</td>
<td>OSHA (C) 5 ppm</td>
<td>900 mg/kg</td>
<td>3124 ppm/1H</td>
</tr>
</tbody>
</table>

SECTION 3 - Hazards Identification
EFFECTS OF ACUTE EXPOSURE TO PRODUCT
May cause burning or irritation of eyes and mucous membranes. Vapors or direct contact can cause skin irritation and or allergic reaction that may not be painful or visible. Harmful if swallowed. Ingestion can cause irritation and mouth, throat and stomach burns. Prolonged inhalation of vapors may be irritating and cause headaches.
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT
None known

SECTION 4 - First Aid Measures
SKIN CONTACT
Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT
Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION
DO NOT induce vomiting. Seek medical attention immediately.

INHALATION
If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

SECTION 6 - Accidental Release
Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage
Read and follow the label, material safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.
SECTION 8 - Exposure Controls

VENTILATION  Good general ventilation.
SKIN  Latex or nitrile
EYE  Splash goggles
RESPIRATORY  Not normally required
OTHER  Eye wash station

SECTION 9 - Physical and Chemical Properties

PHYSICAL STATE  Liquid
ODOR AND APPEARANCE  Clear pale green liquid
VAPOUR PRESSURE (mm Hg)  < 30 mm Hg
VAPOUR DENSITY (Air = 1)  2 mm Hg
EVAPORATION RATE (Water = 1)  1
BOILING POINT (°C)  ≥ 212°F
FREEZING POINT (°C)  ≤ 32°F
SPECIFIC GRAVITY  1.145
SOLUBILITY IN WATER (20°C)  Complete
COEFFICIENT OF WATER OIL  Not available
PERCENT VOLATILE (BY VOLUME)  88^°

SECTION 10 - Stability and Reactivity Data

CHEMICAL STABILITY  YES  NO  IF NO, UNDER WHAT CONDITIONS
INCOMPATIBILITY WITH OTHER SUBSTANCES  YES  NO  IF YES, WHICH ONES?
REACTIVITY, AND UNDER WHAT CONDITIONS  Stable under ambient pressure and temperature.
HAZARDOUS DECOMPOSITION PRODUCTS  Sulfur dioxide, hydrogen chloride

SECTION 11 - Toxicological Information

EXPOSURE LIMITS  Hydrochloric acid 7.5 mg/m3 ceiling
IRRITANCY OF PRODUCT  Skin: Irritant
SENSITIZATION TO PRODUCT  None known
CARCINOGENICITY  Not listed by IARC, OSHA or ACGIH.
TERATOGENICITY  Not known
REPRODUCTIVE TOXICITY  Not known
MUTAGENICITY  Not known
SYNERGISTIC PRODUCTS  Not known

SECTION 12 - Ecological Information

No data available

SECTION 13 - Disposal Considerations

Dispose of this product in accordance with federal, state and/or local laws.

SECTION 14 - Transportation Information

Not regulated for transportation

SECTION 15 - Regulatory Information

SARA: RQ for hydrochloric acid is 5000 lb
SARA Section 304, CERCLA Hazardous components
SARA Section 302, 304, 313 Hazardous components (None)
Class D2-B Canadian WHMIS regulations.

SECTION 16 - Other Information

The information contained in this MSDS is furnished without warranty of any kind. The user should consider this data a supplement to other data gathered and must make an independent determination of suitability from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers.