### 1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Sodium chloride solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Number</td>
<td>699-06688</td>
</tr>
<tr>
<td>Product Use</td>
<td>Reference Fill Solution for Ion Selective Electrode</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Van London Company</td>
</tr>
<tr>
<td>Address</td>
<td>10540 Rockley Road, Houston, Texas 77099</td>
</tr>
<tr>
<td>Telephone</td>
<td>713-772-6641</td>
</tr>
<tr>
<td>Emergency Phone</td>
<td>713-772-6641</td>
</tr>
</tbody>
</table>

### 2. Hazards Identification

#### Emergency Overview

**OSHA Hazards**
- No known OSHA hazards
- Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

#### HMIS Classification

<table>
<thead>
<tr>
<th>Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>1</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>0</td>
</tr>
</tbody>
</table>

#### NFPA Rating

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>1</td>
</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Potential Health Effects

- **Inhalation**: No effects anticipated
- **Skin**: No effects anticipated
- **Eyes**: No effects anticipated
- **Ingestion**: No effects anticipated

### 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Deionized water</td>
<td>7732-18-5</td>
<td>&gt; 99%</td>
</tr>
</tbody>
</table>

### 4. First Aid Measures

- **Eye**: Flush eyes with water as a precaution.
- **Skin**: Wash off with soap and plenty of water.
- **Inhalation**: Move person into fresh air. If not breathing, give artificial respiration.
- **Ingestion**: Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 5. Fire Fighting Measures

**Suitable extinguishing media**
- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous combustion products**
- Hydrogen chloride gas, Sodium oxides.
6. Accidental Release Measures

Personal precautions
Avoid breathing vapours, mist or gas.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling
Avoid contact with eyes. Wash thoroughly after handling.

Storage
Keep container tightly closed and upright in a dry and well-ventilated place. Store at ambient or lower temperature. Protect against physical damage.

8. Exposure Controls and Personal Protection

Exposure Limits
Contains no substances with occupational exposure limit values

Engineering Controls
Maintain general industrial hygiene practices when using this product.

Personal Protective Equipment
Respiratory Protection
Repiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 

Hand Protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands after handling.

Eye Protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and body protection
Impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Hygiene measures
General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance
Clear, colorless liquid

Odor
None

Odor Threshold
No data available

pH
5.2 - 7.5

Freezing Point
0°C

Boiling Point
100°C

Flash Point
No data available

Evaporation rate
No data available

Flammability
No data available

Lower explosion limit
No data available
Upper explosion limit | No data available
Vapor pressure | No data available
Solubility | Soluble in water
Vapor density | No data available
Relative density | No data available
Partition coefficient:
n-octanol/water | No data available
Auto-Ignition temperature | No data available
Decomposition temperature | No data available
Density | 1.006 g/cm$^3$
Viscosity | No data available
Molecular mass | 5.84 g/mol

10. Stability and Reactivity

Chemical Stability | Stable under recommended storage conditions.
Possibility of Hazardous reactions | No data available
Conditions to avoid | No data available
Materials to avoid | No data available
Hazardous decomposition products | No data available

11. Toxicological Information

Signs and Symptoms of Overexposure | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Acute Effects

Eye Contact | No data available
Skin Contact | No data available
Inhalation | No data available
Ingestion | No data available
Germ Cell Mutagenicity | No data available

Target Organ Effects | No data available
Chronic Effects | No data available
Medical Conditions | No data available

Aggravated by Exposure

Acute Toxicity

Oral LD50 | None reported
Inhalation LC50 | None reported
Dermal LD50 | None reported

Carcinogenicity

IARC | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potentil carcinogen by ACGIH.
NTP | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated arcinogen by NTP.
OSHA | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potentil carcinogen by OSHA.

Reproductive Toxicity | No data available
Teratogenicity | No data available
Specific target organ toxicity - No data available

Single exposure

Specific target organ toxicity - No data available

Repeated exposure

Aspiration Hazard No data available

Potential Inhalation No data available

Health Ingestion No data available

Effects Skin No data available

Eyes No data available

12. Ecological Information

Toxicity No data available

Persistence & degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

13. Disposal Considerations

Disposal method Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging Dispose of as unused product.

14. Transport Information

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

15. Regulatory Information

OSHA Hazards No known OSHA hazards

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards No SARA Hazards

Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

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<thead>
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<th>CAS-No.</th>
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<tbody>
<tr>
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New Jersey Right To Know Components

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California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Issuing Date 4/20/2015

Revision No. 1.0
Disclaimer

The information contained herein is accurate to the best of our knowledge, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Van London pHoenix Company makes no warranty of any kind, expressed, or implied, concerning the safe use of this material in your process or in combination with other substances. Van London pHoenix Company shall not be held liable for any damage resulting from handling or from contact with the above product.