

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	Sodium chloride solution
Product Number	27503-53
Product Use	Reference Fill Solution for Ion Selective Electrode
Manufacturer	Van London Company
Address	10540 Rockley Road, Houston, Texas 77099
Telephone	832-456-6641
Emergency Phone	832-456-6641

2. Hazards Identification

Emergency Overview

OSHA Hazards

No known OSHA hazards

Not	Health Hazard:	1	a dangerous substance or mixture according to the Globally Harmonised System (GHS).
	Chronic Health Hazard:		
	Flammability:	0	
	Physical Hazards:	0	

NFPA Rating

Health Hazard:	1
Fire:	0
Reactivity Hazard:	0

Potential Health Effects

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

3. Composition/Information on Ingredients

Component	CAS Number	Weight %
Sodium chloride	7647-14-5 7732-18-	29.2
Deionized water	5	70.8

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.

HMIS Classification	
Health Hazard:	1
flammability:	0
Physical Hazards:	0
NFPA Rating	
Health Hazard:	1
Fire:	0
Reactivity Hazard:	0
Potential Health Effects	
Inhalation:	
Skin:	No effects anticipated
Eyes:	No effects anticipated
Ingestion:	No effects anticipated

5. Fire Fighting Measures

Suitable

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

Hazardous combustion Hydrogen chloride gas, Sodium oxides.

products

Special

protective

Wear self contained breathing apparatus for fire fighting if necessary.

equipment for firefighters

6. 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 Respiratory 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). Impervious clothing. Handle with gloves. Gloves must be inspected

Skin and body protection prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. General industrial hygiene practice.

Hygiene measures

Physical and Chemical Properties

Appearance Clear, colorless liquid
Odor None

Odor Threshold No data available

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.

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	1.000 g/cm ³
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	58.44 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 Oral LD50	None reported
Toxicity Inhalation LC50	None reported
Values 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 potential 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 carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity No data available **Teratogenicity**

No data available

Specific target organ toxicity - No data available

single exposure

Water

CAS-No.
7732-18-5

Revision Date

SARA 311/312 Hazards Massachusetts Right To Know CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. No SARA Hazards No components are subject to the Massachusetts Right to Know Act.

Know Components

Pennsylvania Right To Know Components

New Jersey Right To Know Components

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium chloride	7647-14-5	

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.