SAFETY DATA SHEET

Section 1	Chemical Product and Company Information	
	80 Northwest Blvd. Nashua, NH 03063 (800) 225-3739	CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.
Product	SILVER NITRATE, 1.0 MOLAR (1.0 NORMAL) SOLUTION	
Synonyms	Silver(I) Nitrate, Water Solution / Silver Nitrate, 1.0M (1.0N) Solution	n
Section 2	Hazards Identification	
Pictograms Target orga GHS Classi Skin corrosid Aquatic acut Aquatic chro GHS Label H314: Causs H400: Very f	d: DANGER :: GHS05 / GHS09 ins: Kidneys, Liver ification: on (Category 1B) te (Category 1) bonic (Category 1) information: Hazard statement: es severe skin burns and eye damage. toxic to aquatic life. toxic to aquatic life.	 Precautionary statement(s): P260: Do not breathe mist/vapours/spray. P264: Wash hands 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): Take off immediately all contaminated clothing. Rinse skin with water/shower. P363: Wash contaminated clothing before reuse. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310: Immediately call a POISON CENTER or doctor. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391: Collect spillage. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Silver nitrate		7732-18-5 7761-88-8	83.02% 16.98%	231-791-2 231-853-9	
Section 4	First Aid Measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CONTACT CAUSES SEVERE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CONTACT CAUSES IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits.	Silver, soluble compounds, as Ag	TWA: 0.01 mg/m ³	TWA: 0.01 mg/m ³	TWA: 0.01 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical & Chemical Prop	perties				
	teristic odor. Data not available. able. nt: Approximately 0°C (32°F) (water) roximately 100°C (212°F) (water)	Vapor pressure (mm Hg): Vapor density (Air = 1):	Data not available. / Upper: Data not available 14 (water) .7 (water) vity): Approximately 1.0 (water	Auto-igniti Decompos Viscosity: Molecular	oefficient: Data n on temperature: ition temperature Data not available formula: Mixture weight: Mixture	Data not available : Data not available.
Section 10	Stability & Reactivity					
Chemical stability Conditions to avo	 Stable id: Excessive temperatures which 		rization: Will not occur.			
Incompatible mate	erials: Combustible materials, re	ducing agents, organic subst	ances, strong basis and alkalis			
Hazardous decom	position products: Nitrogen ox	ides.				
Section 11	Toxicological Information	I				
Carcinogenity: Da NTP: No componer IARC: No componer OSHA: No componer	nt of this product present at levels ent of this product present at level nent of this product present at level icity: Data not available	Is greater than or equal to 0.1	% is identified as probable, pos	sible or confir	med human carcin	
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.