# SAFETY DATA SHEET

KM00712, KM01045

**OXIDIZER STORAGE CODE YELLOW** 

Section 1 Identification	Page E1 of E2
Nasco 901 Janesville Ave. Fort Atkinson, WI 53538-0901 Phone: 920-563-2446	CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.
Product SILVER NITRATE	
Synonyms Silver(I) Nitrate	
Section 2 Hazards identification	
Signal word: DANGER Pictograms: GHS03 / GHS05 / GHS09 Target organs: Kidneys, Liver, Eyes, Skin	<ul> <li>Precautionary statement(s):</li> <li>P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.</li> <li>P220: Store away from clothing and combustible materials.</li> <li>P221: Take any precaution to avoid mixing with combustibles.</li> <li>P260: Do not breathe dust.</li> <li>P264: Wash hands thoroughly after handling.</li> <li>P273: Avoid release to the environment.</li> <li>P280: Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P310: Immediately call a POISON CENTER or doctor.</li> <li>P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li> <li>P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</li> <li>P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P363: Wash contaminated clothing before reuse.</li> <li>P370+P378: In case of fire: Use water to extinguish.</li> <li>P391: Collect spillage.</li> <li>P405: Store locked up.</li> <li>H501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.</li> </ul>
Hazards not otherwise classified:	

### Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on	ingredients			
Chemical Name		CAS #	%	EINECS	
Silver nitrate		7761-88-8	100%	231-853-9	
Continu 4	First aid massage				
Section 4	First aid measures				

**INGESTION:** MAY BE FATAL 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: MAY BE HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CONTACT CAUSES CORNEAL DAMAGE OR BLINDNESS. 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 CAN CAUSE BURNS. Remove contaminated clothing. Flush thoroughly with mild scap and water. If irritation occurs, get medical attention.

## Section 5 Fire fighting measures

Suitable Extinguishing Media: Use water. Do not use dry chemicals or foams. CO<sub>2</sub> or Halon<sup>®</sup> may provide limited control.

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. Substance is a strong oxidizer which releases oxygen on heating. The oxygen will intensify any fire in the immediate surroundings.

## 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: Remove all sources of ignition. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

### Section 7 Handling and 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 dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area. Keep away from ignition sources. Store in resistant containers. Do not store in wooden, cardboard or paper containers. Store away from flammable and combustible materials.

Section 8	Exposure controls / personal protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Silver, soluble compounds, as Ag	TWA: 0.01 mg/m <sup>3</sup>	TWA: 0.01 mg/m <sup>3</sup>	TWA: 0.01 mg/m <sup>3</sup>		

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 dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9 Appearance: Solid,							
Appearance: Solid,	Physical and chemical prop	erties					
Odor: No odor. Odor threshold: Da pH: Data not availal Melting / Freezing p Boiling point: Deco Flash point: Data n	ata not available. ble. boint: 212°C (>413°F) bomposes	Flammability ( Explosion limi /apor pressur /apor density Relative density	te (=1): Not applica solid/gas): Data not a ts: Lower / Upper: D e (mm Hg): Data not a (Air = 1): 5.8 (Specific gravity): 4.35 +/- 10% in water	vailable. ata not available	Auto-igniti Decompos Viscosity: Molecular		Data not available e: 444°C (>831°F)
Section 10	Stability and reactivity						
Chemical stability:       Stable       Hazardous polymerization:       Will not occur.         Conditions to avoid:       Excessive temperatures, heat, sparks, open flame and other sources of ignition.       Incompatible materials:       Combustible materials, reducing agents, organic substances, strong basis and alkalis.							
Hazardous decomp	oosition products: Nitrogen oxide	es.	-				
Section 11	Toxicological information						
Germ cell mutagenicity: Data not available Carcinogenity: Data not available 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. 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. 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. Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: Inhalation of dust will produce irritation to gastrointestinal or respiratory tract, characterized by burning, sneezing, and coughing. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Ingestion: Poisonous if swallowed. Ingestion causes severe gastroenteritis. Skin: Contact with skin can produce inflammation and blistering. Eyes: Contact with skin can produce inflammation and blisters. Signs and symptoms of exposure: Irritation of upper respiratory tract. Skin irritation or burns. Severe irritation or burns to eyes.							
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• • •	tion: RTECS #: VW4725000 Ecological information					eyes.	
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#### Section 16 Other information

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. Form 06/2015