

LABCHEM INC -- SILVER NITRATE SOLUTION-SILVER STD 1000 PPM A

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MSDS Safety Information  
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FSC: 6810  
NIIN: 00-282-1218  
MSDS Date: 08/05/1996  
MSDS Num: CGMFY  
Product ID: SILVER NITRATE SOLUTION-SILVER STD 1000 PPM AG,LC 22710-1  
MFN: 01  
Responsible Party  
Cage: EO318  
Name: LABCHEM INC  
Address: 200 WILLIAM PITT W  
AY  
City: PITTSBURGH PA 15238  
Info Phone Number: 412-826-5230  
Emergency Phone Number: 412-826-5230  
Preparer's Name: AL BERANEK  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 22527  
Name: FISHER SCIENTIFIC CO  
Address: 2000 PARK LN  
City: PITTSBURGH PA 15275  
Phone: 412-490-8586  
Cage: EO318  
Name: LABCHEM INC  
Address: 200 WILLIAM PITT WAY  
City: PITTSBURGH PA 15238  
Phone: 412-826-5230  
Ca  
ge: 0MX47  
Name: LABCHEM, INC.  
Address: 200 WILLIAM PITT WAY  
City: PITTSBURGH PA 15238  
Phone: 412-826-5230

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Item Description Information  
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Item Manager: S9G  
Item Name: SILVER NITRATE SOLUTION  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: BT  
Quantitative Expression: 00000000500ML  
UI Container Qty: L  
Type of Container: BOTTLE  
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Ingredients

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Cas: 7761-88-8  
RTECS #: VW4725000  
Name: SILVER NITRATE (SARA 313) (CERCLA)  
% Wt: 0.5- 17  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 0.01 MG(AG)/M3  
ACGIH TLV: 0.01 MG(AG)/M3; 9596  
EPA Rpt Qty: 1 LB  
DOT Rpt Qty: 1 LB

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Cas: 7732-18-5  
RTECS #: ZC0110000  
Name: WATER, PURIFIED  
% Wt: BALANCE  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT RELEVANT  
ACGIH TLV: NOT RELEVANT

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Health Hazards Data

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LD50 LC50 Mixture: LD50 (ORAL, MOUSE) IS 50 MG/KG.  
Route Of Entry Inds - Inhalation: NO  
Skin: NO  
Ingestion: NO  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS.  
ACUTE- MAY CAUSE EYE IRRITATION, DAMAGE. SKIN CONTACT MAY CAUSE IRRITATION.  
INHALATION MAY CAUSE IRRITATION. HARMFUL/FATAL IF INGESTED. MAY CAUSE GI

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TRACT IRRITATION, METHEMOGLOBINEMIA, SHOCK, COLLAPSE, EVEN DEATH. CHRONIC- MAY CAUSE BRONCHITIS, METHEMOGLOBINEMIA.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: IRRITATION, SORE THROAT, BLURRED VISION, PAIN, BURNS, SALIVATION, NAUSEA, VOMITING, DIARRHEA, ANURIA, SHOCK, COLLAPSE, VERTIGO, COMA, CONVULSION AND DEATH

Medical Cond Aggravated By Exposure: INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, KIDNEYS, BLOOD MAY HAVE INCREAS

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SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

First Aid: CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:IMMEDIATELY REMOVE CONTAMINATED CLOTHING & WASH SKIN WITH SOAP & WATER. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK 1% SALT WATER TO PRECIPITATE OUT SILVER CHLORIDE. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

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#### Handling and Disposal

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Spill Release Procedures: PREVENT SKIN AND EYE CONTACT. ABSORB SPILLS WITH INERT MATERIAL SUCH AS SAND OR VERMICULITE. SWEEP UP AND TRANSFER TO CONTAINER FOR RECOVERY OR DISPOSAL. CLEAN SPILL AREA WITH WATER.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DISPOSE OF IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REUSING OR RECYCLING IS ENCOURAGED.

Handling And Storage Precautions: STORE AWAY FROM LIGHT. KEEP CONTAINER CLOSED.

Other Precautions: DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRY BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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#### Fire and Explosion Hazard Information

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Flash Point Text: NONE

Lower Limits: NOT RELEVANT

Upper Limits: NOT RELEVANT

Extinguishing

Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. STAY UPWIND. MOVE CONTAINER OUT IF WITHOUT RISK.

Unusual Fire/Explosion Hazard: NEGLIGIBLE

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#### Control Measures

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Respiratory Protection: NONE SHOULD

DO NOT BE NEEDED. FOR CONDITIONS WHERE EXPOSURE TO DUST OR MISTS IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN.

Ventilation: ADEQUATE

Protective Gloves: RUBBER FOR REPEATED CONTACT

Eye Protection: SAFETY GOGGLES

Other Protective Equipment: APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT, EYEWASH FOUNTAIN, EMERGENCY SHOWER

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH THIS.

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Physical/Chemical Properties  
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HCC: D1

NRC/State LIC No: NOT RELEVANT

B.P. Text: UNKNOWN

M.P/F.P Text: UNKNOWN

Decomp Text: 824F,440C

Vapor Pres: 14 @ 68F

Vapor Density: 0.7

Spec Gravity: >1

Viscosity: UNKNOWN

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS LIQUID - ODORLESS

Corrosion Rate: UNKNOWN  
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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: LIGHT

Materials To Avoid: AMMONIUM HYDROXIDE, AZIRIDINE, ACETYLENE, ETHANOL, ETHANOL/NITRIC ACID, ETHYLENE OXIDE, HYDROGEN PEROXIDE, OXALIC ACID

Hazardous Decomposition Products: OXIDES OF NITROGEN

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT  
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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: EO318

Trans ID NO: 66092

Product ID: SILVER NITRATE SOLUTION-SILVER STD 1000 PPM AG,LC 22710-1

MSDS Prepared Date: 08/05/1996

Review Date: 04/23/1998

MFN: 1

Radioactivity: NOT RELEVANT

Net Unit Weight: >1.1 LBS

Multiple

KIT Number: 0

Review IND: Y

Unit Of Issue: BT

Container QTY: L

Type Of Container: BOTTLE

Additional Data: LTD QTY. EXEMPT FROM LABELLING AND PLACARDING EXCEPT SHIPPED  
BY AIR (49 CFR 173.152). REPORTABLE QUANTITY: 1 LB.

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Detail DOT Information  
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DOT PSN Code: NBI

DOT Proper Shipping Name: SILVER NITRATE

Hazard Class: 5.1

UN ID Num: UN1493

DOT Packaging Group: II

Label: OXIDIZER

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ing Exception: 152

Non Bulk Pack: 212

Bulk Pack: 242

Max Qty Pass: 5 KG

Max Qty Cargo: 25 KG

Vessel Stow Req: A

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Detail IMO Information  
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IMO PSN Code: NMD

IMO Proper Shipping Name: SILVER NITRATE

IMDG Page Number: 5177

UN Number: 1493

UN Hazard Class: 5.1

IMO Packaging Group: II

Subsidiary Risk Label: -

EMS Number: 5.1-06

MED First Aid Guide NUM: 235  
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Detail IATA Information  
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IATA PSN Code: WHU  
IATA UN ID Num: 1493  
IATA Proper Shipping Name: SILVER NITRATE  
IATA UN Class: 5.1  
IATA Label: OXIDIZER  
UN Packing Group: II  
Packing Note Passenger: 508  
Max Quant Pass: 5KG  
Max Quant Cargo: 25KG  
Packaging Note Cargo: 511  
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Detail AFI Information  
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AFI PSN Code: WHU  
AFI Pr  
oper Shipping Name: SILVER NITRATE  
AFI Hazard Class: 5.1  
AFI UN ID NUM: UN1493  
AFI Packing Group: II  
Special Provisions: P5  
Back Pack Reference: A9.8  
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HAZCOM Label  
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Product ID: SILVER NITRATE SOLUTION-SILVER STD 1000 PPM AG,LC 22710-1  
Cage: EO318  
Assigned IND: Y  
Company Name: LABCHEM INC  
Street: 200 WILLIAM PITT WAY  
City: PITTSBURGH PA  
Zipcode: 15238  
Health Emergency Phone: 412-826-5230

Label Required IND: Y  
Date Of Label Review: 04/23/1998  
Status Code: C  
MFG Label NO: UNKNOWN  
Label Date: 04/23/1998  
Year Procured: 1998  
Origination Code: F  
Eye Protection IND: YES  
Signal Word: WARNING  
Health Hazard: Moderate  
Contact Hazard: Moderate  
Fire Hazard: None  
Reactivity Hazard: None  
Hazard And Precautions: TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS.  
ACUTE- MAY CAUSE EYE IRRITATION, DAMAGE. SKIN CONTACT MAY CAUSE IRRITATION.  
INHALATION MAY CAUSE IRRITATION. HARMFUL/FATAL IF

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