

CAROLINA BIOLOGICAL SUPPLY -- 88-7791, 88-7793, 88-7795, 88-7810, 84-0910, SILVER NITRATE --  
6810-01-448-7142

===== Product Identification =====

Product ID:88-7791, 88-7793, 88-7795, 88-7810, 84-0910, SILVER NITRATE

MSDS Date:03/12/1998

FSC:6810

NIIN:01-448-7142

Status Code:A

MSDS Number: CJWCC

=== Responsible Party ===

Company Name:CAROLINA BIOLOGICAL SUPPLY

Address:2700 YORK RD

City:BURLINGTON

S

tate:NC

ZIP:27215-3387

Country:US

Info Phone Num:800-334-5551/910584-0381

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:59896

=== Contractor Identification ===

Company Name:CAROLINA BIOLOGICAL SUPPLY CO

Address:2700 YORK RD

Box:City:BURLINGTON

State:NC

ZIP:27215-3387

Country:US

Phone:800-227-1150/910-584-0381

Contract Num:MDA414-98-A-0118-0051

CAGE:59896

===== Composition/Information on Ingredients =====

Ingred Name:SILVER NITRATE

CAS:7761-88-8

RTECS

#:VW4725000

= Wt:100.

OSHA PEL:0.01 MG/M3

ACGIH TLV:0.01 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50(MUS): 50 MG/ KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:TARGET ORGANS: BEHAVIORAL, LUNGS,  
TJORAX OR RESPIRATION, GASTROINTESTINAL, PATERNAL EFFECTS  
(SPERMATOGENESIS, TESTES, EPIDIDYMIS, SPERM DUCT), EFFECTS ON  
FERTILITY (MALE FERTILITY INDE

X). EYES- MAY CAUSE IRRITATION.

SKIN-MAY CAUSE IRRITATION. INGESTION-MAY CAUSE GASTROINTESTINAL  
DISCOMFORT. INHALATION-MAY CAUSE IRRITATION TO RESPIRATORY TRACT.

Explanation of Carcinogenicity:MATERIAL IS NOT LISTED (NTP, IARC, OSHA)  
AS CAUSING CANCER AGENTS.

===== First Aid Measures =====

First Aid:EYES-FLUSH WITH WATER FOR 15 MIN, RAISING & LOWERING EYELIDS  
OCCASIONALLY. GET MEDICAL AID IF IRRITATION PERSISTS.

SKIN-THOROUGHLY WASH EX

POSED AREA FOR 15 MIN. REMOVE CONTAMINATED

CLOTHING BEFORE REUSE. GET MEDICAL AID IF IRRITATION PERSISTS.

INGESTION-IF SWALLOWED, IF CONSCIOUS, GIVE PLENTY OF WATER.

IMMEDIATELY CALL A PHYSICIAN OR POISON CONTROL CENTER. NEVER GIVE  
NAYTHING BY MOUTH TO AN UNCONS CIOUS PERSON. INHALATION-REMOVE TO  
FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT; GIVE ARTIFICIAL  
RESPIRATION IF BREATHING HAS STOPPED. KEEP PERSON WARM, QUIET, AND  
GET MEDICAL AID.

===== Fire Fighting Measures =====

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE  
EQUIPMENT AND NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:CONTACT WITH COMBUSTIBLE MATERIALS CAUSES  
FIRE OR INTENSIFICATION OF EXISTING FIRE. INCREASES FLAMMABILITY OF  
COMBUSTIBLE OR READILY OXIDIZABLE MATERIALS.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA OF SPILL. CLEA

N-UP PERSONNEL

SHOULD WEAR PROPER PROTECTIVE EQUIPMENT. AVOID CREATING DUST. SWEEP OR SCOOP UP AND CONTAINERIZE FOR DISPOSAL.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL- VENTILATED AREA. AWAY FROM COMBUSTIBLE OR READILY OXIDIZABLE MATERIAL.

Other Precautions:EMERGENCY OVERVIEW: MAY BE FATAL IF SWALLOWED. CAUSES BURNS.FUL OXIDIZER.

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===== Exposure Controls/Personal Protection =====

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Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS OF USE WITH ADEQUATE VENTILATION. NIOSH APPROVED EQUIPMENT SHOULD BE WORN IF PELS ARE EXCEEDED.

Ventilation:LOCAL EXHUAST: YES. MECHANICAL (GENERAL): YES.

Protective Gloves:RUBBGBER, NEOPRENE, PVC OR EQUIVALENT.

Eye Protection:SPLASH PROOF CHEMICAL SAFETY GOGGLES SHOULD BE WORN AT ALL TIMES.

Other Protective Equipment:LAB COAT, EYE WASH, AND SAFETY SHOWER.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

HCC:D1

Boiling Pt:=440.C, 824.F

Melt/Freeze Pt:=212.C, 413.6F

Spec Gravity:4.35

Solubility in Water:71%

Appearance and Odor:WHITE OR COLORLESS, ODORLESS CRYSTALS.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALKALIES, ANTIMONY SALTS, ARSENITES, BROMIDES, CARBONATES, CHLORATES, IODIDES, THIOCYANATES, FERROUS SALTS, HYPOPHOSPHITES, MORPHINE SALTS, OILS, CREOSOTE, PHOSPHATES, TANNIC ACI

D, ETHANOL,  
TARTARATES, VEGETABLE DECOCTIONS  
Stability Condition to Avoid: EXPOSURES TO AIR AND LIGHT, HEAT.  
Hazardous Decomposition Products: NITROGEN OXIDES, SILVER.  
Conditions to Avoid Polymerization: WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information: IPR-MUS LD50: 34,000 MG/KG; ORL-MUS LD50: 50  
MG/KG; UNR-MAN LDLO: 29 MG/KG.

===== Ecological Information =====

Ecological: EPA WASTE NUMBERS: D00  
1, D011.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL REGULATIONS. ALWAYS CONTACT A PERMITTED  
WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE.

===== MSDS Transport Information =====

Transport Information: SILVER NITRATE, 5.1, UN1493, II.

===== Regulatory Information =====

SARA Title III Information: HAZARD CATEGORY  
FOR SARA SECTION 311/312  
REPORTING: ACUTE, CHRONIC, FIRE.  
Federal Regulatory Information: EPA TSCA STATUS: ON TSCA INVENTORY.

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