

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

State: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

RTEC

S #: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 IND

EX). 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.

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

SKIN-THOROUGHLY WASH E

XPOSED 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 ANYTHING BY MOUTH TO AN UNCONSCIOUS 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.

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Fire Fighting Measures
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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.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AREA OF SPILL. CLEAN-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
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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

===== 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.

===== 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 AC

ID, 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: D0

01, D011.

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

Waste Disposal Methods:DISPOSE IN ACCORDNACE 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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