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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

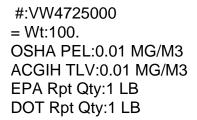
CAGE:59896

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

Ingred Name: SILVER NITRATE

CAS:7761-88-8

RTECS



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 CA USE 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: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 REU SE. 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.
======================================
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.
====== Exposure Controls/Personal Protection ====================================
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/Che mical 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 ACI

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

D, ETHANOL,

TARTARATES, VEGETABLE DECOCTIONS

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