

GFS CHEMICALS INC -- SILVER NITRATE,378 -- 6810-00-243-4434

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

Product ID:SILVER NITRATE,378

MSDS Date:05/01/1996

FSC:6810

NIIN:00-243-4434

MSDS Number: CFTFB

=== Responsible Party ===

Company Name:GFS CHEMICALS INC

Address:3041 HOME RD

Box:245

City:POWELL

State:OH

ZIP:43065

Country:US

Info Phone Num:614-881-5501

Emergency Phone Num:614-881-5501/800-424-9300(CHEMTRE  
C)

Preparer's Name:LM

CAGE:0TNM0

=== Contractor Identification ===

Company Name:GFS CHEMICAL INC

Address:3041 HOME RD

Box:23214

City:POWELL

State:OH

ZIP:43065

Country:US

Phone:740-881-5501

CAGE:77964

Company Name:GFS CHEMICALS INC

Address:3041 HOME RD

Box:245

City:POWELL

State:OH

ZIP:43065

Country:US

Phone:740-881-5501;FAX:5989

CAGE:0TNM0

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

Ingred Name:SILVER NITRATE (SARA 313) (CERCLA)

CAS:7761-88-8

RTECS #:VW4725000

Fraction

by Wt: 100%  
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

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

LD50 LC50 Mixture:LD50 (ORAL-MOUSE) IS 50 MG/KG.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, RESPIRATORY  
AND GASTROINTESTINAL TRACTS. ACUTE- CORROSIVE AND IRRITATING  
TO  
EYES, SKIN AND MUCOUS MEMBRANES. TOXIC INTERNALLY. CHRONIC-  
DISCOLORATION OF SKIN AND GUMS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, PAIN

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH  
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SEE PHYSICIAN. SKIN:WASH  
WITH PLENTY OF SOAP  
& WATER. ORAL:DO NOT INDUCE VOMITING. IF  
CONSCIOUS, DRINK MILK OR WATER. SEEK IMMEDIATE MEDICAL ATTENTION.  
DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point: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:AS WITH ANY FI  
RE, WEAR PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID  
INHALATION OF HAZARDOUS DECOMPOSTION PRODUCTS OR SMOKE  
Unusual Fire/Explosion Hazard:OXIDIZER. INCREASES THE FLAMMABILITY OF  
ANY COMBUSTIBLE SUBSTANCES. IT MAY REACT WITH AMINES TO FORM  
EXPLOSIVE.

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

Spill Release Procedures:SWEEP UP CAREFULLY. TRANSFER INTO A SUITABLE  
CONTAINER FOR SILVER RECOVERY.  
Neutralizing Agent:N

OT RELEVANT

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

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

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

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

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Respiratory Protection: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. IN EMERGENCY, WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED IN + PRESSURE.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER OR PLASTIC

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING

AND EQUIPMENT, EYEWASH FOUNTAIN, EMERGENCY SHOWER

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:414F,212C

Decomp Temp:Decomp Text:824F,440C

Spec Gravity:4.35 (POWDER)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:SOLU

BLE

Appearance and Odor:WHITE CRYSTALS - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS, REDUCING AGENTS, AMINES

Stability Condition to Avoid:LIGHT

Hazardous Decomposition Products:OXIDES OF NITROGEN

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RECOVER SILVER OR REUSE IT.

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