

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

Product ID:SILVER NITRATE

MSDS Date:04/06/1989

FSC:6810

NIIN:00-233-0124

MSDS Number: BPZHJ

=== Responsible Party ===

Company Name:MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emergency Phone Num:314-982-5000, 314-539-1600

CAGE:62910

=== Contractor Ident

ification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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

Ingred Name:SILVER NITRATE (SARA III)

CAS:7761-88-8

RTECS #:VW4725000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:0.01 MG AG/M3

ACGIH TLV:0.01 MG AG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

===== Hazards Identifi

cation =====

LD50 LC50 Mixture:LD50, ORAL (MOUSE) = 50 MG/KG

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- MAY CAUSE IRRITATION TO THE EYES AND SKIN., MAY DAMAGE EYES. INHALATION OF POWDER MAY CAUSE PULMONARY TRACT PROBLEMS. AVOID BREATHING DUST. INGESTION: HARMFUL OR POISONOUS. CHRONIC:PNEUMONCONIO SIS, LUNG DISEASE, COLORATION OF SKIN &CONJUCTIVA.

Effects of

Overexposure:INGEST-PAIN AND BURNING IN MOUTH, BLACKENING OF SKIN AND MUCUS MEMBRANES, VOMITING AND DIARRHEA. EYE FURNS, & SKIN IRRITATION & PAIN.

Medical Cond Aggravated by Exposure:EYE, SKIN AND RESPIRATORY DISEASES.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED.

EYE CONTACT:FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP. SKIN

CONTACT:WASH WITH SOAP AND WATER. GET MED ATTENTION

IF SYMPTOMS

PERSIS T. INGESTION:DO NOT INDUCE VOMITING, DRINK 1-2 GLASSES OF WATER. GET MEDICAL HELP IMMEDIATELY.

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

Extinguishing Media:NONE SHOWN BY MFR;USE MEDIA APPROPRIATE FOR SURROUNDNG FIRE

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:MFR SHOWS NONE

===== Accidental Release Measures =====
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Spill Release Procedures:WEAR PROPER PROTECTION; SWEEP UP OR VACUUM UP & PLACE IN PROPER CONTAINER FOR PROPER DISPOSAL OR RECLAMATION.

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

Handling and Storage Precautions:KEEP AWAY FROM COMBUSTIBLE MATERIALS, REDUCING AGENTS;KEEP IN COOL,DRY PLACE AWAY FROM LIGHT.

Other Precautions:DO NOT EAT, DRINK, OR SMOKE IN WHILE USING CHEMICALS. AVOID SKIN/EYE CONTACT W/MATERIAL.

===== Exposure Controls/Personal

Protection =====

Respiratory Protection:NONE UNDER NORMAL USE. USE NIOSH APPROVED DUST MASK UNDER DUSTY CONDITIONS, OR SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN SPRAYING OR USING IN CONFINED SPACES.
Ventilation:MECH.(GEN)/LOCAL EXHAUST THAT PROVIDES PROPER VENTILATION
Protective Gloves:IMPERVIOUS
Eye Protection:GOGGLES MANDATORY
Other Protective Equipment:PROPER PROTECTIVE CLOTHING,SAFETY SHOWER,EYE- WASH STATION
Work Hygienic Practices:DO NOT EAT, DRINK OR SMOKE WHILE WORKING WITH THIS PRODUCT.
Supplemental Safety and Health

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

HCC:D1
Boiling Pt:B.P. Text:831F,444C
Vapor Density:4.4
Spec Gravity:4.35
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS,ODORLESS,TRANSPARENT OR WHITE CRYSTALS

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

Stability Indicator/Materials to Avoid:YES
FLAMMABLES.
Stability Condition to Avoid:LIGHT
Hazardous Decomposition Products:OXIDES OF NITROGEN
Conditions to Avoid Polymerization:WILL NOT POLYMERIZE

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

Waste Disposal Methods:RECOVERY OF PRECIOUS METAL SHOULD BE CONSIDERED PRIOR TO DISPOSAL. SEND FOR RECLAMATION OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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