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Product Identification
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Product ID:11414 SILVER NITRATE

MSDS Date:01/06/1989

FSC:6505

NIIN:00-140-5000

MSDS Number: BWMNT

=== Responsible Party ===

Company Name:JOHNSON MATTHEY CATALOG COMPANY

Address:30 BOND STREET

City:WARD HILL

State:MA

ZIP:01835-0747

Country:US

Info Phone Num:508-521-6300

Emergency Phone Num:508-521-6300(CHEMTREC 800-424-9300)

CAGE:0JVJ1

=== Contractor I

dentification ===

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Composition/Information on Ingredients
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Ingred Name:SILVER NITRATE (SARA III)

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;9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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Hazards Ident

ification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY BE POISONOUS IF INGESTED.
MAY CAUSE SEVERE IRRITATION OR BURNS ON SKIN OR EYE CONTACT.
INHALATION MAY CAUSE RESPIRATORY IRRITATION. CHRONIC: PROLONGED OR
REPEATED EXPOSURE MAY CAUSE DISCOLO RATION OF SKIN, CONJUNCTIVA &
MUCOUS MEMBRANES, MAY CAUSE LUNG DISEASE.

Explanation of Carcinogenicity:NO ING
REDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:SKIN: BLUISH TINT TO SKIN, IRRITATION, PAIN.
EYES: PAIN, IRRITATION, EYE DAMAGE. INGESTION: PAIN, BURNING IN
MOUTH, BLACKENING OF SKIN/MUCOUS MEMBRANES/THROAT/ABDOMEN,
SALIVATION, VOMITING, DIARRHEA, COLLAPSE, SHOCK, COMA, DEATH.
INHALED: COUGHING, SORE THROAT, SHORTNESS OF BREATH.

Medical Cond Aggravated by Exposure:NO DATA.

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

First Aid:INGESTED-OBTAIN MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED
CLOTHES. FLOOD WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL
ATTENTION. EYES-IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15
MINUTES. SEEK M EDICAL ATTENTION. INGESTED-OBTAIN MEDICAL
ATTENTION.

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

Extinguishing Media:DRY SAND OR DRY DOLOMITE, WATER, CARBON DIXOIDE,
DRY CHEMICAL.

Fire Fighting Procedu

res:NO SPECIAL FIREFIGHTING PROCEDURES NEEDED.

FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:WEAR FULL PROTECTIVE CLOTHING & RESPIRATORY
PROTECTION. ELIMINATE ALL SOURCES OF IGNITION. COVER SPILL WITH DRY
SAND OR DRY GROUND VERMICULITE, MIX WELL AND CAREFULLY TRANSFER TO
A

WELL MARKED CONTAIN ER. CLOSE CONTAINER TIGHTLY. DISPOSE
OF PROPERLY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE
IN A COOL, DRY, WELL-VENTILATED PLACE. WASH THOROUGHLY AFTER USE.

Other Precautions:USE PROPER PROTECTIVE CLOTHING & EQUIPMENT WHEN
USING. USE PROPER FACILITIES WHEN USING.

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===== Exposure Controls/Personal Protection

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE
OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED
AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND
MANUFACTURER'S RECO MMENDATIONS.

Ventilation:LABORATORY FUME HOOD IS ACCEPTABLE. A GLOVE BOX, BAG WITH
DRY, INERT ATMOSPHERE IS PREFERRED.

Protective Gloves:RUBBER.

Eye Protection:ANSI APPROVED SAFETY GLASSES.

Other Protective Equipment:LAB COAT & APRON. FLAME & C

HEMICAL RESITANT

COVERALLS, EYE WASH STATION & SAFETY SHOWER, HYGENIC WASH
FACILITIES.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:831F,444C

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

Decomp Temp:Decomp Text:831F,444C

Vapor Density:4.4

Spec Gravity:4.352

Evaporation Rate & amp;

Reference:0 (N-BUTYL ACETATE=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS OR WHITE CRYSTALS; ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ALKALIS,ANTIMONY

SALTS,ARSENITES,BROMIDES,CARBONATES,CHLORIDES,IODIDES,THIOCYANATES,
FERROUS SALTS,OILS,CRESOL,ETHANOL,..

Stability Condition to Avoid:THERMAL DECOMPOSITION.

Hazardous Decomposition Products:WHEN HEATED TO THERMAL DECOMPOSITION;
NITROGE

N OXIDES, EXPOSIVE SILVER CMPOUNDS & OTHER TOXIC FUMES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RCRA CODE: DO11 (SILVER) AND/OR D003 (REACTIVE).
TSCA REGISTERED. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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