

JOHNSON MATTHEY CATALOG COMPANY -- 11414 SILVER NITRATE -- 6505-00-140-5000

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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 Identification ===

Company Name:JOHNSON MATTHEY CATALOG CO INC ALFA AESAR

Address:30 BOND ST

Box:City:WARD HILL

State:MA

ZIP:01835-0747

Country:US

Phone:978-521-6300

CAGE:0JVJ1

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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 Identification =====

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 MEMBRANE  
S, MAY CAUSE LUNG DISEASE.

Explanation of Carcinogenicity:NO INGREDIENT 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 Con

d Aggravated by Exposure:NO DATA.

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===== 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.

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

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

Fire Fighting Procedures:NO SPECIAL FIREFIGHTING PROCEDURES NEEDED.  
FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING  
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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===== 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 CONTAINER. 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 RECOMMENDATIONS.

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 & CHEMICAL RESISTANT 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 & 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 Decompos

ition Products:WHEN HEATED TO THERMAL DECOMPOSITION;  
NITROGEN 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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