

ENGELHARD CORP, SPECIALTY CHEMICALS DIV. -- SILVER NITRATE -- 6505-00-140-5000

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

Product ID:SILVER NITRATE

MSDS Date:08/29/1988

FSC:6505

NIIN:00-140-5000

MSDS Number: BDBMB

=== Responsible Party ===

Company Name:ENGELHARD CORP, SPECIALTY CHEMICALS DIV.

Address:1 WEST CENTRAL AVE.

City:EAST NEWARK

State:NJ

ZIP:07029-2809

Country:US

Info Phone Num:201-632-6414 (NIGHT

)

Emergency Phone Num:201-268-7844 (DAY)

CAGE:5L413

=== Contractor Identification ===

Company Name:ENGELHARD CORP, SPECIALTY CHEMICALS DIV.

Address:1 W CENTRAL AVE.

City:EAST NEWARK

State:NJ

ZIP:07029-2809

Country:US

Phone:201-268-7844 (DAY)

CAGE:5L413

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

Ingred Name:SILVER NITRATE (SARA III)

CAS:7761-88-8

RTECS #:VW4725000

Fraction by Wt: 99%

OSHA PEL:0.01 MG AG/M3

ACGIH TLV:0.01 MG AG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 L

## ===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE: INHALE- IRRITATION OF NOSE, THROAT, AND LUNGS. SKIN- IRRITATION, BURNS, SORES AND DISCOLORATION OF SKIN. EYES- IRRITATION AND/OR CHEMICAL BURNS. INGEST- BURNS OF MOUTH AND THROAT, ABDOMINAL PAIN, DIARRHEA AND DIZZINESS.

CHRONIC:

SILVER ACCUMULATES AND IS EXCRETED VERY SLOWLY. DISCOLORATION USUALLY PERMANENT.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:IRR.TO NOSE, THROAT, LUNGS, SKIN, EYES.

CONCENTRATED SOLUTIONS MAY CAUSE BURNS, SORES AND DISCOLORATION OF SKIN. INGESTION- BURNS TO MOUTH AND THROAT, ABDOMINAL PAIN, DIARRHEA AND DIZZINESS. SHOCK AND CONVULSIONS MAY DEVELOP. BLUE-GRA

Y DISCOLORATION OF EYES, NOSE, THROAT AND SKIN IF 1 GM. OF AG ACCUMULATES IN BODY.

Medical Cond Aggravated by Exposure:NO INFORMATION AVAILABLE FOR THIS MATERIAL.

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

First Aid:EYES: FLUSH WITH WATER, SEEK MEDICAL ADVICE. SKIN: FLUSH WITH WATER, REMOVE CONTAMINATED CLOTHING, SEEK MEDICAL ADVICE. INGEST: DO NOT ATTEMPT TO MAKE VICTIM VOMIT. SEEK MEDICAL ATTENTION IMMEDIATELY. INHALE: REMOVE VICTIM FROM AREA, SEEK MEDICAL ADVICE.

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

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:PROTECTIVE CLOTHING AND POSITIVE PRESSURE, SELF CONTAINED BREATHING APPARATUS AS SPECIFIED IN 29 CFR 1910 SUBPART L SHOULD BE WORN.

Unusual Fire/Explosion Hazard:MATERIAL IS AN OXIDIZER.

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

Spill Release Procedures:SWEEP OR VACUUM UP SPILL. PLACE SPI

LLED

MATERIAL IN METAL SAFETY CAN.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED AND  
STORE IN COOL, DRY AREA.

Other Precautions:WASH HANDS AND FACE AFTER USE, PRODUCT CONTAINS  
SILVER. DO NOT EAT OR SMOKE IN AREA WHERE PRODUCT IS USED OR  
STORED. DO NOT STORE NEAR INCOMPATIBLE MATERIALS AS LISTED ABOVE.  
MATERIAL IS AN OXIDIZER.

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= Exposure Controls/Personal Protection =====

Respiratory Protection:APPROPRIATE NIOSH APPROVED RESPIRATOR IN POORLY  
VENTILATED AREAS.

Ventilation:LOCAL EXHAUST VENTILATION SYSTEM.

Protective Gloves:ACID RESISTANT

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT  
AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED  
CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING. LAUNDER

CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

MSDS DATED 9/27/83

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

HCC:N1

Spec Gravity:NONE SPECIFIED.

Solubility in Water:NONE SPECIFIED BY M.

Appearance and Odor:ODORLESS, CLEAR/WHITE CRYSTALS

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

Stability Indicator/Materials to Avoid:YES

SILVER IS INCOMPATABLE WITH THE FOLLOWING: ACETYLENE, AMMONIA, ETHANOL,  
HYDROGEN PEROXIDE, OR OTH

ER EASILY REDUCED SUBS.

Stability Condition to Avoid:LIGHT- MATERIAL DARKENS UPON EXPOSURE.

HEAT AND EXPOSURE TO LIGHT.

Hazardous Decomposition Products:NOX AND POSSIBLY METAL OXIDE FUMES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS OR SEND TO A REFINERY  
FOR RECOVERY OF PRECIOUS METALS.

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