

ALFA AESAR (A JOHNSON MATTHEY CO) -- SILVER WIRE, 11434 -- 9545-00-904-8550

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

Product ID:SILVER WIRE, 11434

MSDS Date:12/07/1995

FSC:9545

NIIN:00-904-8550

MSDS Number: CHVNP

=== Responsible Party ===

Company Name:ALFA AESAR (A JOHNSON MATTHEY CO)

Address:30 BOND ST

City:WARD HILL

State:MA

ZIP:01835-0747

Country:US

Info Phone Num:978-521-6300

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:MO202

=== Contractor Identification ==

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Company Name:ALFA AESAR (A JOHNSON MATTHEY CO)

Address:30 BOND ST

Box:City:WARD HILL

State:MA

ZIP:01835-0747

Country:US

Phone:978-521-6300

CAGE:MO202

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

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

Ingred Name:SILVER (SARA 313) (CERCLA)

CAS:7440-22-4

RTECS #:VW3500000

Fraction by Wt: 100%

OSHA PEL:0.01 MG/M3

ACGIH T

LV:0.1 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INGEST: MAY CAUSE ARGYRIA.
SKIN: NONE KNOWN. EYES: POWDER/DUST MAY CAUSE IRRIT. INHAL:
POWDER/DUST MAY CAUSE IRRIT, PIGMENTATION OF NASAL SEPTUM & MILD
BRONCH. CHRONIC: ABSO
RPTION OF SILVER CMP DS BY INGEST, INHAL/THRU
SKIN CAN CAUSE ARGYRIA, A PERMANENT BLuish-GREY DISCOLORATION OF
SKIN, (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HLTH HAZ: CONJUNCTIVA & MUC MEMBS. GENERALIZED
ARGYRIA DEVELOPS AFTER 2-25 YRS OF EXPOS. THERE ARE NO SYSTEMIC
EFTS/SYMPS & NO PHYSICAL DISABILITY. SILVER IS CONSIDERED AN
EXPERIMENTAL EQUIVOCAL TUMOR IGENIC AGENT BY RTECS CRITERIA.
Medical Cond Aggravated by Exposure:NONE KNO
WN.

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

First Aid:INGESTION: OBTAIN MEDICAL ATTENTION. SKIN: REMOVE
CONTAMINATED CLOTHING, FLOOD SKIN WITH LARGE AMOUNTS OF WATER. IF
IRRITATION PERSISTS SEEK MEDICAL ATTENTION. EYES: IMMEDIATELY
FLUSH, INCLUDING UNDER EYELIDS, WITH LARGE AMOUNTS OF WATER FOR AT
LEAST 15 MINUTES. CALL MD. INHALATION: OBTAIN MEDICAL ATTENTION.

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

Extinguishing Med
ia:IF METAL IS BURNING USE DRY CHEMICAL, DRY SAND OR
DRY GROUND DOLOMITE. ONLY POWDER FORMS ARE LIKELY TO BE FIRE
HAZARD.
Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE
EQUIPMENT . NO SPECIAL FIREFIGHTING PROCEDURES NEEDED. IF WITHOUT
RISK, REMOVE MATERIAL FROM FIRE AREA.
Unusual Fire/Explosion Hazard:ONLY POWDER FORMS ARE LIKELY TO BE FIRE
HAZARD.

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

Spill Release Procedures:WEARING FUL

L PROTECTIVE EQUIPMENT, COVER SPILL
WITH DRY SAND OR VERMICULITE. MIX WELL AND CAREFULLY TRANSFER TO A
CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE
IN A COOL, DRY, WELL-VENTILATED AREA.

Other Precautions:NOT KNOWN TO BE HAZARDOUS IN SOLID FORM.

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

Respiratory Protection:FOR FINE POWDER NIOSH APPROVED DUST MASK
RESPIRATOR.

Ventilation:LABORATORY FUME HOOD. FOR FINE POWDERS USE A GLOVE BAG OR
BOX WITH DRY INERT ATMOSPHERE.

Protective Gloves:RUBBER GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EMERGENCY EYEWASH & DELUGE
SHOWER . WEAR LAB COAT, FLAME & CHEMICAL RESISTANT COVERALLS.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE.

Supplemental Safety and Health

MATLS TO AVOID: ETHANOL + NITRIC

ACID, ETHYLENE OXIDE, ETHYL

HYDROPEROXIDE, IODOFORM, OZONIDES, PEROXOMONOSULFURIC ACID,
PEROXYFORMIC ACID. SILVER MAY REACT WITH ACETYLENE, ACETYLENE
COMPOUNDS OR AM MONIA TO FORM SHOCK SENSITIVE SOLIDS.

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

Boiling Pt:B.P. Text:4010F,2210C

Melt/Freeze Pt:M.P/F.P Text:1761F,961C

Vapor Pres:0

Vapor Density:10.49

Spec Gravity:10.491 (H*2O=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:SOFT, DUCTILE, LUSTROUS WHITE METAL WITH NO ODOR.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

ACETYLENE, ACETYLENE CMPDS, AMMONIA, BROMOAZIDE, CHLORINE TRIFLUORIDE,
ETHYLENE IMINE, HYDROGEN PEROXIDE, OXALIC ACID, TARTARIC ACID,
MINERAL ACIDS, OXIDIZERS, 3-BROMOPROPYNE, CARBOXYLIC ACIDS, COPPER
+ ETHYLENE GLYCOL, ELE

Stability Condition to Avoid:HEAT, SPARKS, AND FLAME FOR POWDER.

Hazardous Decomposition Products:

SILVER OXIDES.

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

Waste Disposal Methods:CONSULT STATE, LOCAL OR FEDERAL EPA REGULATIONS
FOR PROPER DISPOSAL.

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