

METCO INC -- ALUMINUM WIRE (SF & AW) -- 3439-01-028-8148

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

Product ID:ALUMINUM WIRE (SF & AW)

MSDS Date:01/18/1988

FSC:3439

NIIN:01-028-8148

MSDS Number: CBQNN

=== Responsible Party ===

Company Name:METCO INC

Address:1101 PROSPECT AVE

City:WESTBURY

State:NY

ZIP:11590-2724

Country:US

Info Phone Num:516-334-1300

Emergency Phone Num:516-334-1300

CAGE:FO320

=== Contrac

tor Identification ===

Company Name:METCO INC

Address:1101 PROSPECT AVENUE

City:WESTBURY

State:NY

ZIP:11590

Phone:(516) 334-1300

CAGE:FO320

Company Name:METCO INC, SUB OF THE PERKIN-ELMER CORP

Address:1101 PROSPECT AVENUE

Box:City:WESTBURY

State:NY

ZIP:11590-2724

Country:US

Phone:516-334-1300

CAGE:39918

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

Ingred Name:ALUMINUM; (METAL AND OXIDE) (SARA 313)

CAS:7429-90-5

RTECS #:BD0330000

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3

# DUST

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: THERE HAS BEEN SOME RECORD OF LUNG DAMAGE DUE TO THE INHALATION OF FINELY DIVIDED ALUMINUM OXIDE PARTICLES. HOWEVER, THIS EFFECT (KNOWN AS SHAVERS DISEASE) IS COMPLICATED BY THE PRESENCE IN THE INHALED AIR OF SIL

ICA AND

OXIDES OR IRON. A NUISANCE PARTICULATE. ALUMINUM ALONE IS NOT GENERALLY (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: REGARDED AS AN INDUSTRIAL POISON.

INHALATION OF FINELY DIVIDED ALUMINUM POWDER HAS BEEN REPORTED AS A CAUSE OF PRELIMINARY FIBROSIS. MAY BE COMPLICATED BY ALZHEIMER'S DISEASE. EYES: POSSIBLE IRRITATION. SKIN: POSSIBLE DERMATITIS.INHALATION: RESPIRATORY IRRITATION, POSSIBLE NAUSEA.

Medical Cond Agg

ravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH SUFFICIENT AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, CONSULT MD. SKIN: IF SKIN IRRITATION OCCURS, WASH WITH SOAP AND WATER TO REMOVE MATERIAL. INHALATION: EXPO SE TO FRESH AIR. INGESTION: CALL MD IMMEDIATELY .

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

Flash Point:NONE

Extinguishing Me

dia:USE CLASS D EXTINGUISHING AGENTS OR DRY SAND ON FIRES.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . TREAT AS A METALLIC FIRE.

Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN THE FORM OF DUST WHEN EXPOSED TO FLAME.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

=====  
Handling and Storage Precautions:EYE PROTECTION IS RECOMMENDED WHEN HANDLING WIRE.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

=====  
Exposure Controls/Personal Protection

Respiratory Protection:A RESPIRATOR APPROVED BY NIOSH/MSHA FOR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING THE THERMAL SPRAY PROCESS TO PROTECT OPERATOR FROM DUST AND FUMES.

Ventilation:VENTILATION EQUIPMENT DESIGNED TO CREATE AN AIR VELOCITY OF 200 FPM.

Protective Gloves:ALUMINIZED GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGG. (SUP DAT)

Other Protective Equipment:ANSI APPRVD EMER EYEWASH & DELUGE SHOWER . ALUMINIZED APRON IS TO BE WORN DURING ARC SPRAYING. (SUP DAT)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MP: >1190F,>643C. EYE PROTECTION: THE FOLLOWING LENS SHADE ARE REC FOR THE PROCESS INDICATED: COMBUST SPRAYING SHADE #5, ARC SPRAYING SHADE #9. OTHER PROT EQUIP: EAR PROT MUST BE WORN WHEN OPERATOR IS SUBJECTED TO EXCESS NOISE LEVELS (SEE OSHA REQS).

=====  
Physical/Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:SUP DAT

Spec Gravity:2.70 (H\*2O=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WIRE, NO ODOR

=====  
Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous

Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

=====  
Disposal Considerations

Waste Disposal Methods:CONSULT LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability f

or its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.