

ALLIED-SIGNAL AEROSPACE COMPANY/BENDIX -- CERAMETALIX AIRCRAFT BRAKE LINING --
1630-00-592-7865

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

Product ID:CERAMETALIX AIRCRAFT BRAKE LINING
MSDS Date:01/04/1988
FSC:1630
NIIN:00-592-7865
MSDS Number: BJCQL
=== Responsible Party ===
Company Name:ALLIED-SIGNAL AEROSPACE COMPANY/BENDIX
Box:10
City:SOUTH BEND
State:IN
ZIP:46624
Info Phone Num:(219) 237-2800
Emergenc
y Phone Num:(219) 237-2800
Preparer's Name:J.L. WOOD
CAGE:06848
=== Contractor Identification ===
Company Name:ALLIED-SIGNAL AEROSPACE CO
Address:717 N BENDIX DRIVE
Box:10
City:SOUTH BEND
State:IN
ZIP:46620
Country:US
Phone:219-231-4385
CAGE:06848
Company Name:HONEYWELL INTL INC, AIRCRAFT LANDING SYSTEM ALS
Address:3520 WESTMOOR STREET
Box:City:SOUTH BEND
State:IN
ZIP:46628-1373
Country:US
Phone:219-231-2201
CAGE:55284

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

Ingre

d Name:MOLYBDENUM (INSOLUBLE)
CAS:1439-98-7
OSHA PEL:10 MG/CUM
ACGIH TLV:10 MG/CUM

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:SILICATE
OSHA PEL:10 MG/CUM
ACGIH TLV:10 MG/CUM

Ingred Name:GRAPHITE, SYNTHETIC
CAS:7440-44-0
RTECS #:FF5250100
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
OSHA PEL
:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:1 MG(CU)/M3 (DUST)
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Other REC Limits:0.05 MG/CUM NIOSH
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

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

Routes of Entry:

Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION: METAL DUSTS CAN CAUSE IRRITATION TO THE UPPER RESPIRATORY SYSTEM & SILICA CAN CAUSE DISABLING LUNG FUNCTION, SCARRING (SILICOSIS), COUGHING, & SHORTNESS OF BREATH. EYES/SKIN: DUST MAY CAUSE IRRITATION. INGESTION: POSSIBLE GASTROINTESTINAL DISTURBANCES.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: METAL DUSTS CAN CAUSE IRRITATION TO THE UPPER RESPIRATORY SYSTEM, SILICA CAN CAUSE DISABLING LUNG FUNCTION, SCARRING SILICOSIS, COUGHING, & SHORTNESS OF BREATH. SKIN/EYES: DUST MAY CAUSE IRRITATION. INGESTION: POSSIBLE GASTROINTESTINAL DISTURBANCES.

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

First Aid:SHOULD NOT BE NECESSARY WHEN PRODUCT IS PROPERLY HANDLED.

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

Respiratory Protection:RESPIRATORS APPROVED BY NIOSH FOR PROTECTION FROM DUST & MIST EXPOSURE CAN BE USED WHERE NECESSARY TO LIMIT DUST EXPOSURE.

Ventilation:DUST SHOULD BE CONTROLLED BY LOCAL VENTILATION OR OTHER ENGINEERING TECHNIQUES.

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GLASSES

Supplemental Safety and Health

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

Spec Gravity:4.25-4.65

Evaporation Rate & Reference:0

Solubility in Water:NO

Appearance and Odor:SOLID SHINY DARK COPPER MATRIX/WHITE PARTICLES OF MULLITE/CHOPPED STEEL FIBERS

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

Stability Indicator/Materials to Avoid:YES

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

Waste Disposal Methods:DISPOSE IN PROPER RECEPTACLES APPROPRIATELY LABELED IN ACCORDANCE W/APPLICABLE, STATE, & LOCAL LAWS & REGULATIONS. THE RECOMMENDED EXPOSURE LIMITS ARE THOSE FOR THE MOST HAZARDOUS SUBSTANCE IN A CLASS OF SUBSTANCES.

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