

ALLIED SIGNAL INC., AIRCRAFT LANDING SYSTEM -- CADMIUM PLATED AIRCRAFT PART --  
1620-00-905-1593

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

Product ID:CADMIUM PLATED AIRCRAFT PART

MSDS Date:12/01/1993

FSC:1620

NIIN:00-905-1593

MSDS Number: BXBMH

=== Responsible Party ===

Company Name:ALLIED SIGNAL INC., AIRCRAFT LANDING SYSTEM

Address:3520 WESTMOOR STREET

City:SOUTH BEND

State:IN

ZIP:46628

Country:US

Info

Phone Num:219-231-2302

Emergency Phone Num:219-231-2000

CAGE:55284

=== Contractor Identification ===

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 =====

Ingred Name:CADMIUM (SARA 313) (CERCLA)

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: TRACE

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M3 DUST;

Z-2  
ACGIH TLV:0.01 MG/M3 DUST;9495  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:THIS METAL AIRCRAFT PART IS PLATED  
W/CADMIUM. PART IS NOT HAZARDOUS. HAZARDS ARE FROM DUSTS & FUMES  
GENERATED IF PART IS MACHINED. AVOID CONTACT W/CADMIUM DUST &  
FUMES. ACUTE-ACUTE PNEUMONITIS & PU  
LMO NARY EDEMA. CHRONIC-KIDNEY  
DISEASE, LUNG & PROSTATE CANCER, REDUCED PULMONARY FUNCTION & LUNG  
DISEASE.  
Explanation of Carcinogenicity:PLATED W/CADMIUM [7440-43-9] WHICH IS  
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYES:REDNESS OR PAIN. SKIN:IRRITATION.  
INHALATION:RESPIRATORY IRRITATION, SHORTNESS OF BREATH, CHEST PAIN,  
FLU-LIKE SYMPTOMS, WEAKNESS, FEVER, HEADACHE, CHILLS, SWEATING,  
MUSCULAR PAIN. INGESTION:VOMI TING, ABDOMIN  
AL PAIN, NAUSEA,  
DIARRHEA,HEADACHE, & SORE THROAT.  
Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY FOR ANY EXPOSURE. EYE:FLUSH  
W/WATER TO 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED  
CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. AID  
OR RES TORE BREATHING AS NEEDED. INGESTED:TREATMENT MUST BE  
ADMINISTERED BY MEDICAL P  
ERSONNEL. ADVICE TO PHYSICIAN:DO NOT  
PERFORM CHELATION THERAPY.

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

Extinguishing Media:DRY SAND, DRY DOLOMITE, DRY GRAPHITE, OR SODIUM  
CHLORIDE  
Fire Fighting Procedures:WEAR A SELF-CONTAINED BREATHING APPARATUS  
W/FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:CADMIUM DUST CREATED DURING MACHINING MAY  
PRESENT A MODERATE EXPLOSION HAZARD WHEN EXPOSED TO FLAME. DUST &  
STRONG

OXIDIZERS MAY CASUSE FIRE OR EXPLOSION.

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

Spill Release Procedures:(ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT.) ANY NORMAL CLEAN-UP PROCEDURE IS APPLICABLE. AVOID GENERATION OF DUSTS. SPILLS & RELEASES MAY HAVE TO BE REPORTED TO FEDERAL &/OR LOCAL AUTHOR ITIES.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage P

recautions:SHIPPING & STORAGE CONTAINERS

CONTAINING CADMIUM, CADMIUM COMPOUNDS, CONTAMINATERD CLOTHING & EQUIPMENT, WASTE, SCRAP, ETC. MUST BEAR WARNING LABELS.

Other Precautions:AVOID CONTACT TO SKIN, EYES & CLOTHING. AVOID BREATHING DUST. USE ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:RESPIRATORS USED MUST BE APPROVED BY BOTH MSHA & NIOSH. AIR PURIFYING RESPIRATORS MUST B E EQUIPPED W/HEPA FILTERS.

AIR SUPPLIED RESPIRATORS OPERATED IN POSITIVE PRESSURE MODE ARE ALSO ACCEPTABLE. SUIT EQUIPMENT TO EXPOSURE LEVEL.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP CADMIUM DUST & FUME LEVELS BELOW THE TLV.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES/FACE SHIELD REQUIRED

Other Protective Equipment:RUBBER APRON AND/OR SUIT REQUIRED. CLEAN CHANGE ROOMS, HAND WASHING FACILITIES, SHOWERS SHOULD BE AVAILABLE.

Work Hygienic Practices:MF

R:?. HMIS:USE GOOD CHEMICAL HYGIENE

PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

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

HCC:N1

NRC/State Lic Num:NONE

Appearance and Odor:MATTED TEXTURE METALLIC TO POLISHED METAL FINISH

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

Stability Indicator/Materials to Avoid:YES

HYDROCHLORIC &/OR NITRIC ACIDS

Stability Condition to Avoid:

MFR GAVE NO INFORMATION ON MSDS.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RCRA HAZARDOUS WASTE = D006. DISPOSE I/A/W  
FEDERAL, STATE & LOCAL REGULATIONS. NOTE:THIS MATERIAL MAY HAVE  
VALUE ON A RECYCLED BASIS. IF RECLAIMED, THE MATERIAL IS NOT  
HAZARDOUS UNDER RCRA. THIS INFORMATION IS FOR THE PRODUCT SHIPPED.

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