

ALLIED SIGNAL INC., AIRCRAFT LANDING SYSTEM -- CHROMIUM PLATED AIRCRAFT PART,2609930  
-- 1630-01-411-7523

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

Product ID:CHROMIUM PLATED AIRCRAFT PART,2609930

MSDS Date:12/01/1993

FSC:1630

NIIN:01-411-7523

MSDS Number: CCJHX

=== Responsible Party ===

Company Name:ALLIED SIGNAL INC., AIRCRAFT LANDING SYSTEM

Address:3520 WESTMOOR STREET

City:SOUTH BEND

State:IN

ZIP:4662

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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:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: TRACE

Other REC Limits:NONE RECOMMENDED

OSHA

PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT RELEVANT.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, LUNG, KIDNEY,  
LIVER. PRODUCT IS NOT HAZARDOUS. HEALTH HAZARDS ARE DUE TO  
DUSTS/FUMES CREATED DURING MACHINING. ACUTE- EYE:MAY CAUSE  
IRRITATION. SKIN:MAY CAUSE SENSITIVITY. INH ALE:CAN CAUSE METAL  
FUME FEVER. ORAL:MAY CAUSE GI IRRITATION. CHRONIC- LUNG & THROAT  
CANCER, LIVER & KIDNEY EFFECTS.  
Explanation of Carcinogenicity:CONTAINS CHROMIUM.  
Effects of Overexposure:IRRITATION, SHORTNESS OF BREATH, CHEST PAIN,  
WEAKNESS, HEADACHE, CHILLS AND MUSCULAR PAIN, NAUSEA, VOMITING,  
DIARRHEA, SORE THROAT, SWEATING, FEVER, LUNG ALLERGY, SKIN  
ULCERATION, DERMATITIS, ECZEMA  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING  
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS, CNS  
MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE  
EXPOSURES.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE:FLUSH WITH WATER FOR  
15 MINUTES. HOLD EYELIDS OPEN. SKIN:REMOVE CONTAMINATED CLOTHING.  
WASH SKIN WITH SOAP/MILD DETERGENT & LARGE AMOUNT OF WATER.  
INHALED:REMOVE TO FRESH AIR. PROVIDE CPR  
/OXYGEN IF NEEDED.  
ORAL:TREATMENT MUST BE ADMINISTERED BY MEDICAL PERSONNEL. NOTE TO  
PHYSICIAN:TREAT ACCORDING TO SYMPTOMS PRESENT.

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

Flash Point:NONE  
Extinguishing Media:DRY SAND, DRY DOLOMITE, DRY GRAPHITE OR SODIUM  
CHLORIDE  
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:CHROMIUM DUST CREATED DURING MACHINING  
MAY PRESEN

T A MODERATE EXPLOSION HAZARD WHEN EXPOSED TO FLAME. DUST  
AND STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VACUUM OR SWEEP UP  
SPILLAGE. AVOID CREATING DUST. PLACE SPILLAGE IN APPROPRIATE  
CONTAINER FOR WASTE DISPOSAL. VENTILATE AREA. SPILLS AND RELEASES  
MAY HAVE TO BE REPORTED TO FEDERAL AND/OR LOCAL AUTHORITIES.  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE  
MATERIALS.  
Other Precautions:AVOID CREATING DUST. AVOID CONTACT TO EYES AND SKIN.  
AVOID INHALATION OF DUST. WASH THOROUGHLY AFTER HANDLING. KEEP OUT  
OF REACH OF CHILDREN. OBEY HAZARD WARNING LABEL. USE WITH ADEQUATE  
VENTILATION. MAY CAUSE LUNG AND THROAT CANCER.

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

Respiratory Protection:IF TLV IS  
EXCEEDED OR FOR SYMPTOMS OF OVER  
EXPOSURE, WEAR NIOSH-APPROVED SUPPLIED-AIR RESPIRATOR. IN  
EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED  
BREATHING APPARATUS.  
Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP DUST AND  
FUME LEVELS BELOW TLV.  
Protective Gloves:RUBBER  
Eye Protection:SAFETY GOGGLES  
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE  
CLOTHING AND/OR UNIFORM  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRAC  
TICES AND  
RECOMMENDED PROCEDURES.  
Supplemental Safety and Health  
THIS METAL AIRCRAFT PART IS PLATED WITH CHROMIUM. THE PART ITSELF IS  
NOT HAZARDOUS. HAZARDS ARE ASSOCIATED WITH THE CHROMIUM DUSTS AND  
FUMES THAT MAY BE GENERATED IF THE PART IS MACHINED DURING MAINTENANCE  
ACTIVITIES.

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

HCC:N1  
NRC/State Lic Num:NOT RELEVANT  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:NO

T RELEVANT

Appearance and Odor:SOLID, MATTED TEXTURE METALLIC TO POLISHED METAL  
FINISH - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG BASES

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products:NOT RELEVANT

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS. RECYCLE IF POSSIBLE. RCRA NUMBER: D007.

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