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TELEDYNE BATTER PRODUCTS, TELEDYNE INC COMPANY -- G-6381, TELEDYNE BATTERY, GILL AIRCRAFT BATTERY (SEE SUPPL) -- 6140-01-214-0353

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

Product ID:G-6381, TELEDYNE BATTERY, GILL AIRCRAFT BATTERY (SEE SUPPL)
MSDS Date:03/01/2000
FSC:6140
NIIN:01-214-0353
Status Code:A
MSDS Number: CLGYW
=== Responsible Party ===
Company Name:TELEDYNE BATTER PRODUCTS, TELEDYNE INC COMPA
NY
Address:840 W BROCKTON AVE
Box:431
City:REDLANDS
State:CA
ZIP:92375
Country:US
Info Phone Num:909-793-3131
Emergency Phone Num:909-793-3131
Resp. Party Other MSDS Num.:1001
Preparer's Name:NAHID TOOSSI
CAGE:84375
=== Contractor Identification ===
Company Name:TELEDYNE BATTER PRODUCTS, TELEDYNE INC COMPANY
Address:840 W BROCKTON AVE
Box:431
City:REDLANDS
State:CA
ZIP:92373
Country:US
Phone:909-793-3131
Contract Num:SP0430-01-M-FL88
CAGE:84375

========== Composition/Information on Ingredie
nts ==========

Ingred Name:LEAD AND LEAD COMPOUNDS
CAS:7439-92-1
RTECS #:OF7525000
< Wt:95.
Other REC Limits:NOT PROVIDED
OSHA PEL:50 UG/M3
ACGIH TLV:0.15 MG/M3

Ingred Name:ANTIMONY
CAS:7440-36-0
RTECS #:CC4025000
< Wt:1.1
Other REC Limits:NOT PROVIDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Rpt Qty:1 LB

Ingred Name:BARIUM SULFATE
CAS:7727-43-7
RTECS #:CR0600000
< Wt:.2
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:CALCIUM COMPOUNDS
CAS:7440-70-2
RTECS #:EV8040000
< Wt:.1
Other REC Limits:NOT PROVIDED
OSHA PEL:5 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:CARBON BLACK EXTRACTS
CAS:1333-86-4
RTECS #:FF5800000
< Wt:.1
Other REC Limits:NOT PROVIDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3

Ingred Name:TIN COMPOUNDS
CAS:7440-31-5
RTECS #:XP7320000
<
Wt:.3
Other REC Limits:NOT PROVIDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

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

LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE OVEREXPOSURE: ACUTE UNTREATED OVEREXPOSURE TO LEAD MAY LEAD TO WEAKNESS, VOMITING, LOSS OF APPETITE, UN-COORDINATED BODY MOVEMENTS, CONVULSIONS, STUPOR, POSSIBLY C

OMA. CHRONIC OVEREXPOSURE: CHRO NIC UNTREATED EXPOSURE TO LEAD MAY CAUSE WEAKNESS, INSOMNIA, HYPERTENSION, SLIGHT IRRITATION TO SKIN AND EYES, METALLIC TASTE, ANEMIA, CONSTIPATION, HEADACHE, MUSCLE AND JOINT PAINS, NEUROMUSCULAR DYS FUNCTION, POSSIBLE PARALYSIS, ENCEPHALOPATHY, PNEUMOCONIOSIS. LEAD CAN POSE RISK TO DEVELOPING FETUSES AND MAY ALSO IMPAIR REPRODUCTIVE SYSTEMS IN BOTH MEN AND WOMEN. DAMAGE TO THE KIDNEYS, HEMATOPOIE TIC AND/OR CNS MAY OCCUR.

Explanation of Carcinogenicity:CONTAINS LEAD. ARSENIC IS LESS THAN 0.1 %.

Effects of Overexposure:OVEREXPOSURE TO LEAD MAY LEAD TO WEAKNESS, VOMITING, LOSS OF APPETITE, UN-COORDINATED BODY MOVEMENTS, CONVULSIONS, POSSIBLY COMA.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYES: (DRY OXIDE) WASH IMMEDIATELY WITH LARGE AMOUNTS OF WATER. LIFTING THE LOWER AND UPPER LIDS CONTINUOUSLY. GET MEDICAL ATTENTION.

SKIN: NOT A DIRECT ROUT OF ENTRY. INHALATION: REMOVE EMPLOYEE FROM AREA OF EXPOSURE. GET IMMEDIATE MEDICAL ATTETNION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:=357.2C, 675.F

POLYPROPYLENE

Extinguishing Media:USE HALON. DRY CHEMICAL EXTINGUISHER. BATTERY CASE WILL BURN.

Fire Fighting Procedures:USE OF WATER IN EXTINGUISHING BURNING BATTERIES MAY CAUSE SPATTERING DUE TO THE PRESENCE OF MOLTEN LEAD.

Unusual Fire/Explosion Hazard:WHILE BATTERY IS BEING CHARGED, HYDROGEN GAS IS PRODUCED. BATTERY MAY EXPLODE IF HYDROGEN GAS IS TRAPPED INSIDE THE BATTERY CASE. KEEP IGNITION SOURCES AWAY.

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

Spill Release Procedures:PICK UP AND CONTAINERIZE BATTERY PARTS AND MATERIALS. LIMIT PERSONAL EXPOSURE WITH GLOVES, EYE, AND FACE PROTECTION. WHEN BATTERY IS FILLED WHEN SULFURIC ACID ELECTROLYTE. ISOLATE THE AREA SHOUL

D A BA TTERY BREAK OPEN. ELECTROLYTE SHOULD
BE ABSORBED WITH A NON-ORGANIC TYPE ABSORBENT SUCH AS DRY SAND OR EARTH. AVOID DILUTION WITH WATER. LEAD SPILLED FROM BATTERY SHOULD BE HEPA VACUUMED/ WET MOPPED.
Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:EXERCISE CAUTION IN HANDLING AND STORAGE DUE TO WEIGHT OF UNITS.
Other Precautions:USE CAUTION WHEN FILLING UNTIS WITH ELECTROYLTE (BATTER
Y ACID, DILUTE SULFURIC ACID). WEAR ACID RESITANT PLASTIC OR RUBBER GLOVES, EYE PROTECTION, APRON AND BOOTS. MATERIAL SAFETY DATA SHEET FOR LEAD- ACID BATTERY APPLIES WHEN FILLED WITH ACID ELECTROLYTE.

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

Respiratory Protection:UNDER NORMAL CONDITIONS OF USE RESPIRATORY PROTECTION IS NOT REQUIRED. HOWEVER, SHOULD CONDITIONS ARISE WHERE RESPIRATORS ARE NEEDED, USE ONLY NIOSH/MSHA RESPIRATORS APPROVED FOR DU
ST, FUME AND MIST.
Ventilation:BATTERY CHARGING AREAS MUST BE ADEQUATELY VENTILATED TO PREVENT HAZARDOUS CONCENTRATIONS OF FLAMMABLE GAS OR ACID MIST.
Protective Gloves:GLOVES APPROVED FOR SULFURIC ACID.
Eye Protection:CHEMICAL GOGGLES, FULL FACE SHIELD.
Other Protective Equipment:ACID RESISTANT APRON.
Work Hygienic Practices:NOT PROVIDED
Supplemental Safety and Health
CONTD FROM PRODUCT ID: CENTURION, BIG BEAM, TELSTAR, SILTRON, AIR TRACTOR AND SCHWIEZER. PART NUMBER: G-6381E. THIS MSD
S DESCRIBES A
DRY BATTERY. FOR ACID ELECTROLYTE, SEE MSDS NUMBER CLGYZ.

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

HCC:Z7
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:>160.C, 320.F
B.P. Text:POLYPROPYLENE
Melt/Freeze Pt:=327.2C, 621.F
M.P/F.P Text:LEAD
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:(LEAD): NEGLIGIBLE
Spec Gravity:(LEAD) 11.34
Solubility in Water:(LEAD):INSOLUABLE IN WATE
Appearance and Odor:NO ODOR. BATTERY CASE IS PINK, WHITE, OLIVE GREEN, OFF-

WHITE, OR BLACK.
Percent Volatiles by Volume:NEGLIGIBLE
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
CONTACT OF LEAD WITH STRONG OXIDIZERS MAY LIBERATE HYDROGEN GAS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:NONE

========== Toxicological Information ==========

Toxicological Information:NOT PROVIDED

========== Ecological Information ==========
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Ecological:NOT PROVIDED

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

Waste Disposal Methods:BATTERY PARTS MAY BE RECYCLED BY AN
EPA-PERMITTED SECONDARY LEAD SMELTING FACILITY OR DISPOSED OF AS
HAZARDOUS WASTE PURSUANT TO RCRA REQUIREMENTS.

========== MSDS Transport Information ==========

Transport Information:NOT PROVIDED

========== Regulatory Information ==========

SARA Title III Information:THE CHEMIC
ALS LISTED BELOW ARE TOXIC
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF
TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT
(SARA) OF 1986 AND 40 CFR PART 372: LEAD AND LEAD COMPOUNDS (CAS #
7439-92-1)