

KUNG LONG BATTERIES INDUSTRIAL CO., LTD -- WP20-6 -- 6140-01-205-3814

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Product Identification  
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Product ID:WP20-6

MSDS Date:02/18/1993

FSC:6140

NIIN:01-205-3814

MSDS Number: CFYGB

=== Responsible Party ===

Company Name:KUNG LONG BATTERIES INDUSTRIAL CO., LTD

Box:10397

City:TAIPEI, TAIWAN

Emergency Phone Num:886-2-5810413

CAGE:JO437

=== Contractor Identification ===

Company Name:KUNG LONG

BATTERIES INDUSTRIAL CO INC

Box:10397

City:TAIPEI, TAIWAN

Country:TW

Phone:886-2-5810413

CAGE:JO437

Company Name:PLAINVIEW BATTERIES INC

Address:23 NEWTOWN RD

Box:City:PLAINVIEW

State:NY

ZIP:11803

Country:US

Phone:516-249-2873

CAGE:0LEJ1

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Composition/Information on Ingredients  
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Ingred Name:LEAD (SARA 313) (CERCLA)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.05MG/M3, A3; 9596

EPA Rpt Qty:1

LB  
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDES  
Fraction by Wt: 25%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 18%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3/3 STEL; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:TLV FOR SULFURIC ACID IS 1 MG/M3.

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

ES

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, KIDNEY.

ACUTE- SULFURIC ACID CAN CAUSE EYE, SKIN, RESPIRATORY & DIGESTIVE TRACTS IRRITATION, BURNS, CORNEAL & LUNG DAMAGE. NO POSSIBILITY OF OVER EXPOSURE OF LEAD UNLESS BATTERY IS DESTROYED. CHRONIC- LEAD MAYCAUSE ANEMIA, KIDNEY & NERVOUS SYSTEM DAMAGE. ACID CAN DAMAGE LUNGS & TEETH.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:LO

SS OF APPETITE, DIARRHEA, CONSTIPATION, CRAMPING, LACK OF SLEEP, FATIGUE, EYE, SKIN, GASTROINTESTINAL AND RESPIRATORY TRACTS IRRITATION AND BURNS; CORNEAL, TEETH AND LUNG DAMAGE

Medical Cond Aggravated by Exposure:INORGANIC LEAD AND ITS COMPOUNDS CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES. SULFURIC ACID MISTS CAN AGGRAVATE SKIN DISEASES SUCH AS ECZEMA, DERMATITIS AND LUNG DISEASES.

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

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First Aid:OBTAIN MEDICAL ATTENTION IMMEDIATELY IN ALL CASES OF EXPOSURE. EYES/SKIN:FLUSH WITH WATER FOR 15 MINUTES. KEEP EYELIDS OPEN. INHALATION:MOVE TO FRESH AIR. PROVIDE OXYGEN IF NEEDED. INGESTION:DO NOT INDUCE VOMITING.

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

Flash Point:NON-FLAMMABLE  
Lower Limits:4.1 HYDROGEN  
Upper Limits:74.2HYDROGEN  
Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:HYDROGEN AND OXYGEN GASES ARE PRODUCED IN THE CELLS DURING NORMAL BATTERY OPERATION. HYDROGEN IS FLAMMABLE AND CAN CAUSE EXPLOSION.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. REMOVE COMBUSTIBLES & IGNITION SOURCES (H2 MAY BE PRESENT). CONTAIN BY DRAINING & COVER SPILL WITH SODA ASH/QUICKLIME. MIX WELL. CHECK THAT MIXTURE IS NEUTRAL. COLLECT & PLACE IN A DRUM. DO NOT FLUSH TO SEWER. VENTILATE AREA  
Neutralizing Agent:SODA ASH (SODIUM CARBONATE), QUICKLIME (CALCIUM OXIDE)

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

Handling and Storage Precautions:STORE NEAR EYEWASH FOUNTAIN AND SAFETY SHOWER. STORAGE AREA SHOULD BE EQUIPPED WITH A DRAIN WHICH CAPTURES SPILLS OF ACID FOR PROPER DISPOSAL.  
Other Precautions:KEEP TERMINALS COVERED IN PLASTIC CASE. AVOID SHORTING BATTERIES. DO NOT CRACK OR OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE. USE NIOSH-APPROVED ACID-MIST FILTER RESPIRATOR IF 1 MG/M3 TWA IS EXCEEDED (ACID).  
Ventilation:ADEQUATE GENERAL VENTILATION  
Protective GI

oves:VINYL COATED, PVC

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES

Other Protective Equipment:RUBBER APRON AND BOOTS. EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices:REMOVE METALLIC JEWELRY-SHOCK POTENTIAL. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING.

Supplemental Safety and Health

HCC N1 PER DDRV (NEW Z4)

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

HCC:Z4

NRC/State Lic Num:NOT RELEVANT

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pec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY CONTAINING SULFURIC ACID AND LEAD.

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

Stability Indicator/Materials to Avoid:YES

POTASSIUM, CARBIDES, SULFIDES, PEROXIDES, P, S, COMBUSTIBLES, STRONG REDUCING AGENTS, MOST METALS, ORGANICS, NITRATES..

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, OVERCHARGING, SMOKING, SPARKS

Hazardous

Decomposition Products:OXIDES OF LEAD AND SULFUR, HYDROGEN

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

Waste Disposal Methods:DISPOSE AS HAZARDOUS WASTE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP. SEND BATTERIES TO LEAD SMELTER FOR RECLAMATION FOLLOWING APPLICABLE FEDERAL, STATE AN D LOCAL REGULATIONS.

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