View NSN Online: https://aerobasegroup.com/nsn/6140-01-371-0520

Product ID:LEAD-ACID BATTERY,NP 1.2-12

MSDS Date:06/01/1996

FSC:6140

NIIN:01-371-0520

MSDS Number: CFKTT === Responsible Party ===

Company Name: YUASA-EXIDE INC

Address:645 PENN ST

Box:14205 City:READING

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:610-208-1975

Emergency Phone Num:610-208-197

5

CAGE:IO592

=== Contractor Identification ===
Company Name:YUASA-EXIDE INC
Address:2366 BERNVILLE ROAD

Box:14145 City:READING

State:PA

ZIP:19612-4145

Country:US

Phone:610-208-1975

CAGE:77280

Company Name: YUASA-EXIDE INC

Address:645 PENN ST

Box:14145 City:READING State:PA

ZIP:19612 Country:US

Phone:610-208-1975

CAGE:IO592

Company Name: YUASA-EXIDE, INC.

Address:645 PENN ST. Box:City:READING

State:PA ZIP:19601 Country:US

Phone:215-371-0400

CAGE:0W0V7

====== Composition/Information on Ingre

dients =======

Ingred Name:LEAD (SARA 313) (CERCLA)

CAS:7439-92-1

RTECS #:OF7525000 Fraction by Wt: 60%

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: ANTIMONY (SARA 313) (CERCLA)

CAS:7440-36-0

RTECS #:CC4025000 Fraction by Wt: 2%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG (SB)/M3; 9596

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: ARSENIC (SARA 313) (CERCLA)

CAS:744 0-38-2

RTECS #:CG0525000 Fraction by Wt: 0.2%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:SEE 1910.1018

ACGIH TLV:0.01 MG/M3, A1; 9596

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: CALCIUM, METAL

CAS:7440-70-2

RTECS #:EV8040000 Fraction by Wt: 0.2%

Other REC Limits: NONE RECOMMENDED

Ingred Name:TIN CAS:7440-31-5

RTECS #:XP7320000 Fraction by Wt: 0.2%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9596

Ingred Name: SULFURIC ACID (SARA 302/313) (CERCLA)/ELECTROLYTE

CAS:7664-

93-9

RTECS #:WS5600000 Fraction by Wt: 10 - 30%

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

Ingred Name: CASE MATERIAL (POLYPROPYLENE, POLYSTYRENE, STYRENE ACRYLONITRILE, STYRENE BUTADIENE, POLYCARBONATE, HARD RUBBER ETC.)

Fraction by Wt: 5 - 10%

Other REC Limits: NONE RECOMMENDED

Ingred Name:SILICONE DIOXIDE (GEL CELL BATTERIES ONLY)/SILICA, CRYSTALLINE - FUSED

CAS:60676-86-0 RTECS #:VV7328000

Fraction by Wt

: 10%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:SEE TABLE Z-3

ACGIH TLV:0.1 MG/M3 RDUST;9596

Ingred Name:SHEET MOLDING COMPOUND (GLASS-REINFORCED POLYESTER)

Fraction by Wt: 10%

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT RELEVANT. Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES | IARC:YES | OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS:EYE,

SKIN, CNS, LUNG, GI

TRACT. ACUTE- LEAD MAY CAUSE GI UPSET & FATIGUE. ACID MAY CAUSE EYE, SKIN, MOUTH, THROAT, STOMACH & RESPIRATORY TRACT IRRITATION, BURNS, CORNEAL & LUNG DAMAGE. C HRONIC- LEAD MAY CAUSE ANEMIA, KIDNEY &NERVOUS SYSTEM DAMAGE. ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH ENAMEL.

Explanation of Carcinogenicity: CONTAINS ARSENIC WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN. ALSO CONTAINS LEAD. Effects of Overexposure: GI UPSET, LOSS OF

APPETITE, DIARRHEA, CONSTIPATION, CRAMPING, LACK OF SLEEP, FATIGUE, SEVERE IRRITATION, BURNS, CORNEAL AND LUNG DAMAGE, BLINDNESS, IRRITABILITY, ULCERATION Medical Cond Aggravated by Exposure:LEAD AND ITS COMPOUNDS CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES CONTACT OF SULFURIC ACID WITH SKIN MAY AGGRAVATE DISEASES SUCH AS ECZEMA. ACID MIST AGGRAVATES LUNG DISEASE
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First Aid:OBTAIN MEDICAL ATTENTION IMMEDIATELY IN ALL CASES OF EXPOSURE. EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. KEEP EYELIDS OPEN. INHALATION:MOVE TO FRESH AIR. INGESTION:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER.
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Flash Point:NON-FLAMMABLE Lower Limits:4.1% (H2) Upper Limits:74.2% (H2) Extinguishing Media:USE CARBON DIOXIDE, SAND, HALON/DRY CHEMICAL. WATER APPLIED TO ELECTROLYTE GENERA TES HEAT AND CAUSES IT TO SPATTER. Fire Fighting Procedures:WEAR ACID-RESISTANT CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE. Unusual Fire/Explosion Hazard:BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT. THIS COULD RESULT IN RELEASE OF CORROSIVE MATERIALS. HYDROGEN GAS, IF PRESENT, IS EXPLOSIVE/FLAMMABLE.
========= Accidental Release Measures ==========
Spill Release Proced ures:WEAR PROTECTIVE EQUIPMENTS. REMOVE COMBUSTIBLES & IGNITION SOURCES (H2 MAY BE PRESENT). CONTAIN BY DIKING AND COVER SPILL WITH SODA ASH OR QUICKLIME. MIX WELL. CHECK THAT MIXTURE IS NEUTRAL. COLLECT A ND PLACE IN A DRUM. DO NOT FLUSH TO SEWER. Neutralizing Agent:SODA ASH (SODIUM CARBONATE), QUICKLIME (CALCIUM OXIDE)

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

Handling and Storage Precautions:STORE NEAR EYEWASH FOUNTAIN AND SAFETY SHOWER. STO

RAGE AREA SHOULD BE EQUIPPED WITH A DRAIN WHICH CAPTURES SPILLS OF ACID FOR PROPER DISPOSAL. Other Precautions: KEEP TERMINALS COVERED. AVOID SHORTING BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES. KEEP OUT OF REACH OF CHILDREN. STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN AREA WITH ADEQUATE WATER SUPPLY. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: NOT REQUIRED UNDER NORMAL USE. USE SH-APPROVED ACID-MIST FILTER RESPIRATOR IF 1 MG/M3 TWA IS EXCEEDED (ACID). Ventilation: ADEQUATE GENERAL VENTILATION. IF MECHANICAL VENTILATION IS USED, COMPONENTS MUST BE ACID-RESISTANT. Protective Gloves: RUBBER OR PLASTIC Eye Protection: SPLASH-PROOF CHEMICAL GOGGLES/FACESHIELD Other Protective Equipment: RUBBER APRON AND BOOTS. EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS. Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND **RECOM** MENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING. Supplemental Safety and Health ======== Physical/Chemical Properties =========== HCC:C1 NRC/State Lic Num: NOT RELEVANT Spec Gravity: 1.215-1.35 ACID Viscosity:NOT RELEVANT Evaporation Rate & Evaporation Reference: NOT RELEVANT Solubility in Water: NOT RELEVENT Appearance and Odor: SEALED, BATTERY CONTAINING SULFURIC ACID AND LEAD. ======== Stability and Reactivity Data ========== Stability Indi cator/Materials to Avoid:YES SOLVENTS THAT DISSOLVE BATTERY CASE MATERIAL, ORGANIC MATERIALS, STRONG REDUCING AGENTS, METALS, WATER, STRONG OXIDIZERS Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES, OVERCHARGING, SMOKING, SPARKS Hazardous Decomposition Products: LEAD OXIDE, HYDROGEN, SULFUR DIOXIDE, SULFUR TRIOXIDE, CARBON MONOXIDE, METAL FUME, VAPOR OR DUST, TOXIC **ARSINE GAS** ======= Disposal Considerations ============

Waste Disposal Methods: DISPOSE A

S 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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