

YUASA-EXIDE INC -- NP SERIES -- 6140-01-147-6850

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Product Identification
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Product ID:NP SERIES
MSDS Date:01/02/1991
FSC:6140
NIIN:01-147-6850
MSDS Number: BSCZL
=== Responsible Party ===
Company Name:YUASA-EXIDE INC
Address:2366 BERNVILLE RD
Box:14145
City:READING
State:PA
ZIP:19605-9607
Country:US
Info Phone Num:610-208-1991
Emergency Phone Num:610-208-1991
CAGE:IO592
=== Contractor Id
entification ===
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

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:100 UG/M3 (NIOSH)
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV

:0.15 MG/M3;DUST 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 32 - 40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

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

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

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

Health Hazards Acute and Chronic:ACUTE- LEAD MAY CAUSE GI UPSET,
DIARRHEA, CRAMPING & FATIGUE. SULFURIC ACID MAY CAUSE EYE, SKIN &
RESPIRATORY TRACT IRRITATION, BURNS, CORNEAL & LUNG DAMAGE.
CHRONIC- LEAD MAY CAUSE ANEMIA, KIDNEY & N ERVOUS SYSTEM DAMAGE.
ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH ENAMEL. TARGET
ORGANS:EYES, SKIN, LUNGS, KIDNEY.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:GI UPSET, LOSS OF APPETITE, DIARRHEA,
CONSTIPATION, CRAM

PING, LACK OF SLEEP, FATIGUE, EYE, SKIN &
RESPIRATORY TRACT IRRITATION, BURNS, CORNEAL & LUNG DAMAGE

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

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

First Aid:OBTAIN MEDICAL ATTENTION IN ALL CASES OF EXPOSURE.

EYES/SKIN:

FLUSH WITH WATER FOR 15 MINUTES. KEEP EYELIDS OPEN.

INHALATION:MOVE TO FRESH AIR. INGESTION:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK MIL K OR WATER. CALL PHYSICIAN IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:CARBON DIOXIDE, WATER FOG, WATER, DRY CHEMICAL.

WATER SPRAY MAY BE USED TO COOL FIRE-EXPOSED CONTAINER & DECREASE VAPORS

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIO

SH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:HYDROGEN GAS IS PRODUCED WHILE CHARGING. KEEP AWAY SPARKS AND OTHER SOUCES IF IGNITION. SULFURIC ACID MAY IGNITE COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. REMOVE COMBUSTIBLES & IGNITION SOURCES (H2 MAY BE PRESENT). CONTAIN BY DIKING AND CO

VER 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. STORAGE AREA SHOULD BE EQUIPPED WITH A DRAIN WHICH CAPTURES SPILLS OF ACID FOR PROPER DISPOSAL.

Other Precautions:KEEP TERMI

NALS 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 C HILDREN.

===== 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 Gloves:RUBBER

Eye Prot

ection: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

THE MSDS DESCRIBES ONLY THE HAZARDS RELATED TO ELECTROLYTE (SULFURIC ACID).

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

HCC:C1

NRC/Stat

e Lic Num:NOT RELEVANT

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Appearance and Odor:BATTERY

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS, MOST METALS, STRONG BASES

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

Hazardous Decomposition Products:OXIDES OF LEAD AND SULFUR, HYDROGEN, SULFUR DIOXIDE AND SULFU

R TRIOXIDE

===== 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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