

EXIDE CORP/YUASA EXIDE INC. -- BATTERY ELECTROLYTE -- 6140-01-446-9498

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Product Identification
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Product ID: BATTERY ELECTROLYTE

MSDS Date: 04/01/1996

FSC: 6140

NIIN: 01-446-9498

MSDS Number: CFYVH

=== Responsible Party ===

Company Name: EXIDE CORP/YUASA EXIDE INC.

Address: 645 PENN STREET

City: READING

State: PA

ZIP: 19612-4205

Country: US

Info Phone Num: 610-378-0550/208-1975

Emergency Phone Num:

610-378-0500/800-424-9300(CHEMTREC)

CAGE: KO556

=== Contractor Identification ===

Company Name: EXIDE CORP

Address: 645 PENN STREET

Box: 14205

City: READING

State: PA

ZIP: 19612-4205

Country: US

Phone: 610-378-0500/0798

CAGE: 20038

Company Name: EXIDE CORP/YUASA EXIDE INC.

Address: 645 PENN STREET

Box: 14145

City: READING

State: PA

ZIP: 19612-4205

Country: US

Phone: 610-378-0550/208-1975

CAGE: KO556

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Composition/Information on Ingredients
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Ingred Name: SULFURIC ACID (SARA 302/313) (CER

CLA)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 30 - 40%
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:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 60 - 70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:RAT,LC50:510MG/M3/2H;LD50:2140MG/KGRTECS
Routes of Entry: Inhalation:N
O Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &
GI TRACTS. ACUTE- CORROSIVE! CAUSES SEVERE EYES, SKIN & ALL BODY
TISSUE BURNS. EYE DAMAGE MAY BE PERMANENT. MAY CAUSE SKIN
ULCERATION. MIST IS IRRITATING TO RESP IRATORY TRACT. INGESTION
CAUSES SEVERE BURNS. CHRONIC- MAY CAUSE DENTAL EROSION, IMPAIRED
LUNG FUNCTION.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGRED
IENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:SEVERE IRRITATION AND BURNING, VISUAL
IMPAIRMENT, DENTAL EROSION, COUGH, SEVERE PAIN, BLINDNESS,
WHEEZING, ABNORMAL LUNG SOUNDS, SKIN ULCER, ITCHING AND RASH,
BLEEDING, VOMITING, DIARRHEA
Medical Cond Aggravated by Exposure:OPEN WOUNDS AND SORES, RESPIRATORY
AILMENTS SUCH AS EMPHYSEMIA AND BRONCHITIS.

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

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First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN: IMMEDIATELY FLUSH WITH WATER FOR 15-20 MINUTES. HOLD EYELIDS OPEN. CONTINUE RINSING EYES WITH NORMAL SALINE UNTIL PH=7. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER/MILK. INGESTED ACID MUST BE DILUTED ABOUT 100 FOLDS. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS.

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

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.
USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
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:MAY REACT WITH ORGANIC MATERIAL OR WATER YIELDING HEAT. TOXIC GASES MAY BE FORMED.

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

Spill Release Procedures:VENTILATE AREA AND NEUTRALIZE SPILL WITH SODA ASH/LIME. ABSORB WITH INERT MATERIAL. SCOOP INTO A SUITABLE CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.
Neutralizing Agent:SUITABLE ALKALI SUCH AS LIME OR SODA ASH

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.
Other Precautions:AVOID BREATHING MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. DO NOT INGEST.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WITH CANISTER APPROVED FOR SULFURIC ACID VAPOR AND MIST IF TLV EXCEEDED.
Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
Protective Gloves:RUBBER

R OR LATEX

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, ACID RESISTANT BODY
SUIT, SAFETY SHOWER, EYEWASH.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

THIS IS FOR ELECTROLYTE. FOR DRY BATTERY, SEE PNI A, SAME NSN.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:203F,95C

Me

It/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:10 @ 68F

Vapor Density:>1

Spec Gravity:1.245 - 1.295

pH: