View NSN Online: https://aerobasegroup.kr/nsn/6140-01-203-4694

EXIDE CORP -- LEAD-ACID BATTERY -- 6140-01-203-4694

Product ID:LEAD-ACID BATTERY

MSDS Date:09/01/1993

FSC:6140

NIIN:01-203-4694

MSDS Number: BTRKY
=== Responsible Party ===
Company Name:EXIDE CORP

Address:645 PENN ST

City:READING

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:215-378-0798

Emergency Phone Num:215-378-0798

CAGE:20038

=== Contractor Identificatio

n ===

Company Name: CAMPBELL, J R EQUIPMENT CO

Address:3659 PARKWAY LN

Box:City:HILLIARD

State:OH

ZIP:43026-1236

Country:US

Phone:614-876-0132

CAGE:7T245

Company Name: CHICAGO INDUSTRIAL TRADING CO

Address:1901 LANDMEIER RD Box:City:ELK GROVE VILLAGE

State:IL ZIP:60007 Country:US

Phone:708-981-0090

CAGE:0K4U5

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.-GENERAL BATTERY CORP

Addr

ess:645 PENN STREET Box:City:READING

State:PA ZIP:19601 Country:US

Phone:215-378-0527/800-424-9300(CHEMTREC)

CAGE:08163

Company Name: FIATALLIS N. AMERICA INC/CENTRAL PARTS OPERATION

Address:245 E NORTH AVE

Box:City:WHEATON

State:IL ZIP:60187 Country:US CAGE:2L857

====== Composition/Information on Ingredients ========

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000 Fraction by Wt: 53% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M

3;DUST 9293 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000 Fraction by Wt: 0.2% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG SB/M3; 9293

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

Ingred Name: ARSENIC (SARA III)

CAS:7440-38-2

RTECS #:CG0525000 Fraction by Wt: 0.003% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.5 MG/M3 (AS)

ACGIH TLV:0.01,A1 MG/M3; 9394

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

Ingred Name: CALCIUM, METAL

CAS

:7440-70-2

RTECS #:EV8040000 Fraction by Wt: 0.02% %

Other REC Limits: NONE RECOMMENDED

Ingred Name:TIN CAS:7440-31-5

RTECS #:XP7320000 Fraction by Wt: 0.06% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3: 9293

Ingred Name: POLYPROPYLENE RUBBER

CAS:9003-07-0

Fraction by Wt: 5-6% %

Other REC Limits: NONE RECOMMENDED

Ingred Name: SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000 Fraction by Wt: 30-40% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3 ACGIH TLV:1 M G/M3; 9394

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: SILICA, CRYSTALLINE - FUSED

CAS:60676-86-0 RTECS #:VV7328000 Fraction by Wt: 3-5% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:10 MG/M3 RDUST; Z-3 ACGIH TLV:0.1 MG/M3 RDUST;9394

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

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

Health Hazards Acute and Chronic:HAZARDOUS EXPOSURE TO LEAD COMPOUNDS

CAN OCCUR ONLY WHEN PRODUCT IS HEATED, OXIDIZED OR OTHERWISE PROCESSED OR DAMAGED TO CREATE DUST, VAPOR OR FUME. INHALATION OF LEAD DUST MAY CAUSE RESPIRATORY TRAC T IRRITATION. INGESTION MAY CUASE GASTROINTESTINAL DISTURBANCES. MAY CAUSE EYE IRRITATION.

Explanation of Carcinogenicity: CONTAINS INORGANIC ARSENIC [7440-38-2] AND LEAD WHICH ARE LISTED BY NTP AND IARC AND REGULATED BY OSHA AS CARCINOGENS.

Effects of Overexposure: ACUTE: HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS

OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY. CHRONIC: ANEMIA, NEUROPATHY--PARTICULARLY OF THE MOTOR NERVES WITH WRIST D ROP, KIDNEY DAMAGE, REPRODUCTIVE CHANGESIN BOTH MALES AND FEMALES.

Medical Cond Aggravated by Exposure:LEAD AND ITS COMPOUNDS CAN AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.

First Aid:INHALATION: REMOVE FROM EXPOSURE. GARGLE, WASH NOSE A ND LIPS.

CONSULT PHYSICIAN. INGESTION: CONSULT PHYSICIAN IMMEDIATELY. SKIN: WASH IMMEDIATELY WITH SOAP AND WATER. EYES: FLUSH IMMEDIATELY WITH LARG E AMOUNTS OF WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

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

Lower Limits: 4.1 % (H2)

Upper Limits:74.2% (H2)

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL Fire Fighting Procedures:USE POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS. WATER APPLIED TO ELECTRO LYTE GENERATES HEAT &

CAUSES IT TO SPLATTER. WEAR CAID-RESISTANT CLOTHING.

Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE HYDROGEN GAS (H2) IS GENERATED DURING CHARGING AND OPERATION. TO AVOID RISK, KEEP IGNITION SOURCES AWAY FROM BATTERIES.

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

Spill Release Procedures:STOP FLOW OF MATERIALM, CONTAIN/ABSORB SPILLS WITH DRY SAND, EARTH, VERMICULITE. DO NOT USE COMBUSTIBLE MATERIALS. IF POSSIBLE, CAREFULLY NEUTR

ALIZE ELECTROLYTE WITH SODA ASH, SODIUM BICARBONATE, LIME, ETC. WEAR ACID-RESISTANT CLOTHING, **BOOTS, GLOVES** Neutralizing Agent: SODA ASH, SODIUM BICARBONATE, LIME. ============= Handling and Storage ========================== Handling and Storage Precautions: STORE BATTERIES IN COOL, DRY, WELL-VENTILATTED AREAS WITH IMPERVIOUS SURFACES AND ADEQUATE CONTAINMENT IN THE EVENT OF SPILLS. Other Precautions: BATTERIES SHOULD BE STORED UNDER ROOF FOR PROTECTION AGAINST ADVERS E WEATHER CONDITIONS. SEPARATE FROM INCOMPATIBLE MATERIALS. STORE AND HANDLE ONLY IN AREAS WITH ADEQUATE WATER SUPPLY AND SPILL CONTR OL. AVOID DAMAGE TO CONTAINERS. ===== Exposure Controls/Personal Protection ======== Respiratory Protection: NONE REQUIRED UNDER NORMAL CONDITIONS. WHEN CONCENTRATIONS OF SULFURIC ACID MIST ARE KNOWN TO EXCEED PEL, USE NIOSH OR MSHA-APPROVED RESPIRATORY PROTECTION. Ventilation: STORE AND HANDLE IN WELL-VENTILATED AREA. IF MECHANICAL VENTILATION IS USED, COMPONENTS MUST BE ACID RESISTANT. Protective Gloves: RUBBER OR PLASTIC ACID-RESISTANT Eye Protection: CHEMICAL GOGGLES/FACE SHIELD Other Protective Equipment: ACID RESISTANT APRON. UNDER SEVERE EXPOSURE OR EMERGENCY, WEAR ACID-RESISTANT CLOTHING AND BOOTS. Work Hygienic Practices: HANDLE BATTERIES CAUTIOUSLY TO AVOID SPILLS. MAKE CERTAIN VENT CAPS ARE ON SECURELY. AVOID CONTACT WITH INTERNAL PARTS. Supplemental Safety and Health IN AREAS WHERE SULFURIC ACID IS H ANDLED IN CONCENTRATIONS GREATER THAN 1%, EMERGENCY EYEWASH STATIONS AND SHOWERS SHOULD BE PROVIDED, WITH UNLIMITED WATER SUPPLY. ======== Physical/Chemical Properties =========== HCC:Z4 Boiling Pt:B.P. Text:203-240F Vapor Pres:17 TO 11

Vapor Pres:17 TO 11 Vapor Density:>1

Spec Gravity:1.23 TO 1.350

Evaporation Rate & Evaporation R

Solubility in Water:100%

Appearance and Odor:MANUFACTURED ARTICLE; NO APPARENT ODOR. ELECTROLYTE IS CLEAR LIQUID.

====== Stabili

tv and Reactivity Data	=======================================
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Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, BASES, HALIDES, HALOGENATES, POTASSIUM NITRATE,
PERMANGANATE, PEROXIDES, REDUCING AGENTS, NASCENT HYROGEN
Stability Condition to Avoid:PROLONGED OVERCHARGE, SOURCES OF IGNITION.
Hazardous Decomposition Products:TOXIC METAL FUME/VAPOR/DUST; CONTACT
WITH STRONG ACID IN PRESENCE OF NASCENT HYDROGEN MAY GENERATE
ARSINE GAS.

	Disposal Considerations	
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Waste Disposal Methods:SEND SPENT BATTERIES TO SECONDARY LEAD SMELTER FOR RECYCLING. PLACE NEUTRALIZED SLURRY INTO SEALED CONTAINERS AND DISPOSE OF AS HAZARDOUS WASTE AS APPLICABLE. WASTE SHOULD BE MANAGED IN ACCORDANCE WIT H APPROVED LOCAL, STATE AND FEDERAL REQUIREMENTS.

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