

GENERAL BATTERY CORP -- LEAD-ACID BATTERY -- 6140-01-037-1357

===== Product Identification =====

Product ID:LEAD-ACID BATTERY

MSDS Date:07/01/1991

FSC:6140

NIIN:01-037-1357

MSDS Number: BRJKR

=== Responsible Party ===

Company Name:GENERAL BATTERY CORP

Address:645 PENN STREET

Box:14205

City:READING

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:215-378-0527

Emergency Phone Num:215-378-0527

CAGE:06810

=== Contractor Identification ===

Company Name:BATTERY BAR

N THE

Address:124 E WASHINGTON ST

Box:City:PETERSBURG

State:VA

ZIP:23803

Country:US

Phone:804-862-3425

CAGE:0ALN9

Company Name:EXIDE CORP.-GENERAL BATTERY CORP

Address:645 PENN STREET

Box:City:READING

State:PA

ZIP:19601

Country:US

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

CAGE:08163

Company Name:GENERAL BATTERY CORPORATION

Box:1262

City:READING

State:PA

ZIP:19603

Country:US

Phone:215 378-0500

CAGE:06810

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

Ingred Name:LEAD (SARA

III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 60%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)  
CAS:7440-36-0  
RTECS #:CC4025000  
Fraction by Wt: 2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG SB/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA III)  
CAS:7440-38-2  
RTECS #:CG0525000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE SPECIFIED  
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: 0.2%  
Other REC Limits:NONE SPECIFIED BY M.

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 10-30%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:POLYPROPYLENE  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

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Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ACUTE:INHALATION OF ACID VAPORS MAY CAUSE SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR LUNG INFLAMMATION. MAY CAUSE SEVERE BURNS TO SKIN OR EYES. INGESTION MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, AND STOMACH. MAY AFFECT KIDNEY FUNCTION. CHRONIC:MAY DAMAGE LUNGS,TEETH EROSION.  
Explanation of Carcinogenicity:ARSENIC IS LISTED BY IARC, NTP, & OSHA AS A CARCINOGEN. LEAD IS CONSIDERED A PROBABLE CARCINOGEN.  
Effects of Overexposure:ACID:SEVERE IRRITATION OR BURNS TO EYES, NOSE AND THROAT. DENTAL EROSION, NAUSEA AND VOMITING. LEAD:STOMACH CRAMPS, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY, ANEMIA AND NERVE DAMAGE.  
Medical Cond Aggravated by Exposure:PULMONARY CONDITIONS, SKIN DISEASES, LIVER, KIDNEY AND NEUROLOGIC DISEASES.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Lower Limits:4.1( FOR H2)  
Upper Limits:74.2(FOR H2)  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:IF ON CHARGE, SHUT OFF POWER. WATER APPLIED TO ACID GENERATES HEAT AND

CAUSES IT TO SPLATTER. WEAR ACID RESISTANT CLOTHING.

Unusual Fire/Explosion Hazard:WILL GENERATE HYDROGEN ON OVERCHARGE. MAY EXPLODE IN FIRE AND PRODUCE HAZARDOUS FUMES AND OXIDE OF SULFUR GASES.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DO NOT USE WATER. NEUTRALIZE SPILL AND/OR WASHINGS WITH SODA ASH OR LIME.

WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN, DRY CONTAINER.

Neutralizing Agent:J.T.BAKER'S NEUTRASORB (R) OR TEAM 'LOW NA+' ACID NEUTRALIZERS ARE RECOMMENDED.

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

Handling and Storage Precautions:STORE IN CORROSION-PROOF AREA. KEEP BATTERIES OUT OF SUN AND AWAY FROM OPEN FLAMES. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPOR. KEEP IN TIGHTLY CLOSED CONTAINER. LOOSEN CLOSURE CAUTIOUSLY. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. IN CASE OF SPILL NEUTRALIZE WITH SODA ASH OR LIME.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE V

APORS OR MISTS.

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

HCC:C1

Boiling Pt:=95.C, 203.F

B.P. Text:(ACID)

Vapor Pres:10

Vapor Density:>1

Spec Gravity:1.23-1.35(ACID)

pH: