

RAMCAR BATTERIES INC. -- LEAD ACID STORAGE BATTERY -- 6140-01-210-1964

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

Product ID:LEAD ACID STORAGE BATTERY

MSDS Date:05/01/1990

FSC:6140

NIIN:01-210-1964

MSDS Number: BSSKW

=== Responsible Party ===

Company Name:RAMCAR BATTERIES INC.

Address:2700 CARRIER AVE

City:COMMERCE

State:CA

ZIP:90040

Country:US

Info Phone Num:(213)-726-1212

Emergency Phone Num:(213)-726-1212

CAGE:0W3X1

=== Contractor Identification ===

Company Name:RAMCAR BATTERIES INC

Address:2700 CARRIER AVE

Box:City:COMMERCE

State:CA

ZIP:90040

Country:US

Phone:213-726-1212

CAGE:0W3X1

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

Ingred Name:SULFURIC ACID (SARA III) ELECTROLITE NO OTHER  
INGREDIENTSARE SPECIFIED VIA MANUFACTURES MSDS.

CAS:7664-93-9

RTECS #:WS5600000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9293

EPA Rpt Qty:1000 LBS

D

OT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:CORROSIVE TO SKIN AND EYES ON CONTACT

Effects of Overexposure:ITCHING AND BURNING SENSATION

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =

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First Aid:(EYES/SKIN)-FLUSH W/RUNNING H2O FOR AT LEAST 15 MIN REMOVE  
CONTAMINATED CLOTHING & GET MEDICAL ATTENTION IMMEDIATELY.  
(INGESTION)-DO NOT INDUCE VOMITING, DRINK AS MUCH MILK OR H2O THAT  
CAN BE TOLERATED W/OUT VOMITING AND GET MEDICAL ATTENTION.  
(INHALATION)-IF INHALED REMOVE TO FRESH AIR AND GET MEDICAL  
ATTENTION IMMEDIATELY.

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

Extinguishing Media:AGENTS APPROVED FOR CLASS

B HAZARDS (E.G., DRY

CHEMICAL, CARBON DIOXIDE, HALOGENATED AGENTS, FOAM, STEAM) OR WATER  
FOG.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. DO NOT USE WATER IN  
CHARGING AREA.

Unusual Fire/Explosion Hazard:HYDROGEN GAS IS EMITTED DURING CHARGING  
OF BATTERIES/ CORROSIVE ACTION OF METALS. HYDROGEN GAS HIGHLY  
FLAMMABLE AND EXPLOSIVE. SULFURIC ACID IS NOT COMBUSTIBLE

===== Accidental Release Measures

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Spill Release Procedures:USE BAKING SODA (SODIUM BICARBONATE). LIME OR  
SODA ASH TO NEUTRALIZE ACID

Neutralizing Agent:SODIUM BICARBONATE, LIME OR SODA ASH

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

Handling and Storage Precautions:STORE BATTERIES IN A COOL WELL  
VENTILATED AREA. AVOID SPARKS WHEN DISCONNECTING OR CONNECTING  
BATTERIES.

Other Precautions:WHEN HANDLING BATTERIES USE ACID PROOF GLOVES AND  
SAFETY GLASSES, METAL TOOLS M

UST NOT BE PLACED ON TOP OF  
BATTERIES.

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

Respiratory Protection:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE  
TO DETERMINE IF RESPIRATORY PROTECTION IS REQUIRED  
Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE  
IF EXHAUST VENTILATION IS ADEQUATE  
Protective Gloves:ACID PROOF RUBBER GLOVES  
Eye Protection:CHEMICAL SAFETY GLASSES  
Other Protective Equipment:PROVIDE EMERGENCY EYEWASH AND SHOWER OR

SIMILAR FACALITY. ACID PROOF CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:230F,110C  
Vapor Pres:78% -100%  
Vapor Density:3.4 AIR=1  
Spec Gravity:1.240 TO 1.275  
Solubility in Water:YES 100%  
Appearance and Odor:COLORLESS & ODORLESS

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

Stability Indicator/Materials to Avoid:YES  
DO NOT STORE NEAR ORGANIC MATERIALS OF OXIDIZERS. DO NOT STORE NEAR OR  
INTRODUCE SOURCES OF COMBUSTION.  
Stability Condition to Avoid:OVERCHARGING AT HIGH TEMPERATURES AND  
SPILLING  
Hazardous Decomposition Products:HYDROGEN GAS

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH ALL  
APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

COORDINATE WITH

SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO  
DISPOSAL

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