

EAST PENN MANUFACTURING CO.,INC. -- BATTERY ELECTRIC STORAGE -- 6140-01-203-4912
===== Product Identification =====

Product ID:BATTERY ELECTRIC STORAGE

MSDS Date:09/23/1986

FSC:6140

NIIN:01-203-4912

MSDS Number: BKKCH

=== Responsible Party ===

Company Name:EAST PENN MANUFACTURING CO.,INC.

Address:DEKA RD

City:LYON STATION

State:PA

ZIP:19536

Info Phone Num:215-682-6361

Emergency Phone Num:215-682-6361

Preparer's Name:DOD-HMIS (DGSC-SSH)

CAGE:DO231

=== Contractor Identification ===

Company Name:EAST PENN MANUFACTURING CO., INC.

Address:DEKA ROAD

City:LYON STATION

State:PA

ZIP:19536

Phone:215-682-6361/800-424-9300(CHEMTREC)

CAGE:DO231

Company Name:EAST PENN MFG CO INC

Address:DEKA RD

Box:City:LYON STATION

State:PA

ZIP:19536

Country:US

Phone:610-682-6361

CAGE:04055

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTE

CS #:WS5600000
Fraction by Wt: 20-44%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 43-70%
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: 0-4%
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:CONTACT MAY CAUSE PERMANENT DAMAGE TO
EYE SEVERE BURNS AND ULCERATION OF SKIN. INHALATION MAY DAMAGE
RESPIRATORY TRACT.INGESTION WILL CAUSE SEVERE BURNS.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE NOTED.

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

First Aid:EYES/SKIN:FLUSH WITH WATER
.SEE DOCTOR IMMEDIATELY.REMOVE
CONTAMINATED CLOTHING. INGESTION:GIVE MILK OR WATER, FOLLOWE BY 2
OZ MILK OR MAGNESIA (NO CARBONATES),SEE DOCTOR IMMEDIATELY.
INHALATION:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED. SEE
DOCTOR.

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

Flash Point:NONE
Lower Limits:4 (HYDROGEN)
Upper Limits:74 (HYDROGN)
Extinguishing Media:CLASS ABC EXTINGUISHER,CO2 AND/OR HALON.
Fire Fighting Procedures:WEAR SCBA,FACE SHIELD,FULL PRO

TECTIVE

CLOTHING. COOL EXTERIOR OF BATTERY TO PREVENT RUPTURE.

Unusual Fire/Explosion Hazard:BATTERY EMITS HYDROGEN GAS WHICH MAY EXPLODE IF IGNITED. ACID MAY EMIT TOXIC FUMES UNDER FIRE. WATER WILL CAUSE HEA GENERATION,BOIL OVER & SPLATTER.

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

Spill Release Procedures:COVER WITH SAND & NEUTRALIZE WITH SODA ASH OR QUICKLIME. SCOOP UP & CONTAINERIZE FOR PROPER DISPOSAL.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE D). QUICKLIME (CALCIUM OXIDE).

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

Handling and Storage Precautions:STORE AWAY FROM IGNITION SOURCES & COMBUSTIBLE MATERIAL.AVOID CONTACT WITH ORGANIC MATERIAL.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK IF REQUIRED.

Ventilation:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CONF INED AREAS.

Protective Gloves:RUBBER.

Eye Protection:GOGGLES.

Other Protective Equipment:RUBBER APRON & BOOTS. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NOTE MSDS COPIED FROM SAME SUPPLIER'S ANOTHER SIZE BATTERY.

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

HCC:N1

Boiling Pt:B.P. Text:235F,113C

Vapor Pres:13

Spec Gravity:1.220-1.325

Evaporation Rate & Reference: