

EXIDE CORP.-GENERAL BATTERY CORP -- LEAD-ACID BATTERY -- 6140-01-031-6876

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Product Identification
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Product ID:LEAD-ACID BATTERY

MSDS Date:02/01/1996

FSC:6140

NIIN:01-031-6876

MSDS Number: BGFYP

=== Responsible Party ===

Company Name:EXIDE CORP.-GENERAL BATTERY CORP

Address:645 PENN STREET

Box:14205

City:READING

State:PA

ZIP:19601

Country:US

Info Phone Num:215-378-0527

Emergency Phone Nu

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

CAGE:08163

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

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

Address:645 PENN STREET

Box:City:READING

State:PA

ZIP:19601

Country:US

Phone:215-378-0527/

800-424-9300(CHEMTREC)
CAGE:08163

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Composition/Information on Ingredients
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Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 30-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IA
RC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: SEVERE SKIN IRRITATION, DAMAGE
TO CORNEA, UPPER RESPIRATORY. CHRONIC: POSSIBLE EROSION OF TOOTH
ENAMEL; INFLAMMATION OF NOSE, THROAT, AND BRONCHIAL TUBES.
Explanation of Carcinogenicity:CONTAINS I A [7440-38-2]
WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A
CARCINOGEN.
Effects of Overexposure:INHALATION-MAY CAUSE SEVERE RESPIRATORY
IRRITATION. INGESTION-SEVERE IRRITATION OF MOUTH, THROAT, ESOPHAGUS
& STOMACH. SKIN-SEVERE IRRITATION, BURNS & ULCERATIONS. EYE-SEVERE
IRRITATION, BURNS, CORNEA DAMAGE, BLINDNESS.
Medical Cond Aggravated by Exposure:OVEREXPOSURE TO SULFURIC ACID MIST
MAY CAUSE LUNG DAMAGE & AGGRAVATE PULMONARY CONDITIONS. CONTACT OF
SULFURIC ACID WITH SKIN MAY AGGRIVATE SKIN DISEASES SUCH AS ECZEMA
AND CONTACT DERMATITIS.

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First Aid Measures
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First Aid:INHALATION-REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING IS

DIFFICULT, GIVE OXYGEN. INGESTION-GIVE LARGE QUANTITIES OF WATER;
DO NOT INDUCE VOMITING; CONSULT PHYSICIAN. SKIN-FLUSH WITH LARGE
AMOUNTS OF WATER FOR AT LEAST 15 MIN. REMOVE CONTAMINATED CLOTHING
COMPLETELY. EYES-FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR
AT LEAST 15 MIN; CONSULT PHYSICIAN.

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

Lower Limits:4.1,HYDROGEN

Upper Limits:74.2HYDROGEN

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:IF BATTERIES ON CHARGE, SHUT OFF POWER. USE
POSITIVE PRESSURE SCBA. WATER APPLIED TO ACID GENERATES HEAT AND
CAUSES SPATTER. WEAR ACID RESISTANT CLOTHING.

Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE HYDROGEN GAS IS
GENERATED DURING CHARGING & OPERATION OF BATTERY. TO AVOID RISK OF
FIRE OR EXPLOSION, KEEP SPARKS AWAY FROM BATTERIES.

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

Spill Release Procedures:STOP FLOW OF MATERIAL, CONT
AIN/ABSORB SPILL

WITH SAND, EARTH, OR VERMICULITE. DO NOT USE COMBUSTABLE MATERIALS.
NEUTRALIZE WITH SODA ASH, SODIUM BICARBONATE, AND LIME. WEAR
ACID-RESISTANT CLOTHING, BOOTS & FACE SHIELD.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE), BAKING SODA, OR QUICK
LIME (CALCIUM OXIDE).

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED
AREA WITH IMPERVIOUS SURFACES AND ADEQUATE CONTAINMENT I
N THE EVENT

OF SPILLS. AVOID PHYSICAL DAMAGE TO CONTAINERS

Other Precautions:BATTERIES SHOULD BE STORED UNDER ROOF FOR PROTECTION
AGAINST ADVERSE WEATHER CONDITIONS. SEPARATE FROM INCOMPATIBLE
MATERIALS. KEEP AWAY FROM FIRE,SPARKS AND HEAT. STORE AND HANDLE
ONLY IN AREAS WITH ADEQUATE WATER SUPPLY AND SPILL CONTROL.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS. WHEN
CONCENTRATIONS OF SULFURI

C ACID MIST ARE KNOWN TO EXCEED PEL, USE
NIOSH OR MSHA-APPROVED RESPIRATORY PROTECTION.

Ventilation:STORE AND HANDLE IN WELL VENTILATED AREAS. IF MECHANICAL
VENTILATION IS USED, COMPONENTS MUST BE ACID-RESISTANT.

Protective Gloves:RUBBER/PLASTIC GLOVES WITH GAUNTLET.

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD.

Other Protective Equipment:ACID-RESISTANT APRON. UNDER SEVERE EXPOSURE
OR EMERGENCY CONDITIONS, WEAR ACID-RESISTANT CLOTHING & BOOTS.

Work Hygienic Practices:WASH AF
TER HANDLING AND BEFORE EATNG, DRINKING
OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

IN AREAS WHERE SULFURIC ACID IS HANDLED 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:203F,95C

Vapor Pres:17 TO 11

Vapor Density:>1

Spec Gravity:1.230-1.350

Evaporation Rate & Refer
ence: