

EXIDE CORP -- STORAGE BATTERY -- 6140-01-210-1963

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

Product ID:STORAGE BATTERY

MSDS Date:04/01/1996

FSC:6140

NIIN:01-210-1963

Status Code:A

MSDS Number: CKRVN

=== Responsible Party ===

Company Name:EXIDE CORP

Address:645 PENN STREET

Box:14205

City:READING

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:610-378-0500/0798

Emergency Phone Num:610-378-0500

CAGE:2003

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=== Contractor Identification ===

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

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

Ingred Name:SULFURIC ACID

CAS:7664-93-9

RTECS #:WS5600000

Minumum % Wt:30.

Maxumum % Wt:40.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

ACGIH STEL:3 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:

60.

Maximum % Wt:70.

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:THIS MSDS IS BASED ON THE

MANUFACTURER'S MSDS FOR THE BATTERIES ELECTROLYTE, SULFURIC ACID.

ACUTE: BURNS, SEVERE IRRITATION OF SKIN, EYES, MOUTH, THROAT,
ESOPHAGUS, AND STOMACH; INFLAMMATION OF BRONCHIAL MEMBRANES.

CHRONIC: EROSION OF TEETH; INFLAMMATION OF NOSE, THROAT, AND
BRONCHIAL TUBES.

Expl

Explanation of Carcinogenicity:IARC HAS CLASSIFIED "STRONG INORGANIC

ACID MIST CONTAINING SULFURIC ACID" AS CATEGORY 1 CARCINOGEN, A
SUBSTANCE CARCINOGENIC TO HUMANS. THIS CLASSIFICATION DOES NOT
APPLY TO LIQUID FORMS OF SULFURIC ACID OR SULFURIC ACID SOLUTIONS
CONTAINED IN A LEAD-ACID BATTERY. INORGANIC ACID MIST (SULFURIC
ACID MIST) IS NOT GENERATED DURING NORMAL USE OF THIS PRODUCT.

Effects of Overexposure:COUGH, INCREASED RESPIRATORY RATE; STINGING;
BURNING SENSATION ON

SKIN, EYE IRRITATION; DISCOLORATION OF TEETH.

Medical Condition Aggravated by Exposure:EXPOSURE TO MIST MAY CAUSE LUNG
DAMAGE AND AGGRAVATE PULMONARY CONDITIONS.

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===== First Aid Measures =====
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First Aid:REMOVE FROM EXPOSURE. FLUSH SKIN AND EYES FOR 15 MINUTES WITH
LARGE AMOUNTS OF COOL WATER. IF INGESTED, DO NOT INDUCE VOMITING.
CONSULT PHYSICIAN.

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===== Fire Fighting Measures =====
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Flash Point:NOT COMBUSTIBLE

Extinguishing

Media:DRY CHEMICAL; CARBON DIOXIDE; WATER FOG; WATER.

Fire Fighting Procedures:WATER APPLIED TO SULFURIC ACID GENERATES HEAT
AND CAUSES ACID TO SPATTER. WEAR FULL-COVER SULFURIC ACID RESISTANT
CLOTHING.

Unusual Fire/Explosion Hazard:REACTS VIOLENTLY WITH METALS, NITRATES,
CHLORATES, CARBIDES AND OTHER ORGANIC MATERIAL. REACTS WITH MOST
METALS TO YIELD EXPLOSIVE/FLAMMABLE HYDROGEN GAS.

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===== Accidental Release Measures =====
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Spill Release Procedure

cedures:STOP FLOW OF MATERIAL. FOR SMALL SPILLS,
NEUTRALIZE WITH SODA ASH, LIME, OR SODIUM BICARBONATE. DILUTE
CAUTIOUSLY WITH WATER. WEAR ACID-RESISTANT PROTECTIVE CLOTHING AND
EQUIPMENT.

Neutralizing Agent:SODA ASH, LIME, SODIUM BICARBONATE. DILUTE
CAUTIOUSLY WITH WATER.

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

Handling and Storage Precautions:STORAGE/HANDLING AREAS SHOULD BE
EQUIPPED WITH EYEWASHES AND SAFETY SHOWERS. HANDLE CAUTIOUSLY;
A

VOID CONTACT WITH SKIN AND EYES.

Other Precautions:HANDLING/STORAGE AREAS SHOULD BE EQUIPPED WITH PROPER
CONTAINMENT TO CAPTURE AND NEUTRALIZE SPILLS.

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

Respiratory Protection:NOT NORMALLY REQUIRED. IF CONCENTRATIONS EXCEED
PEL, USE NIOSH-APPROVED FULL FACE RESPIRATOR.

Ventilation:LOCAL EXHAUST FOR 150 PPM EXPOSURE. MECHANICAL (GENERAL)
WITH CAPACITY OF 3-4 AIR CHANGES PER HOUR. USE ACID-RESISTANT
VENTILATION COM
PONENTS.

Protective Gloves:RUBBER/PLASTIC WITH ELBOW LENGTH GAUNTLET.

Eye Protection:CHEMICAL GOGGLES; SAFETY GLASSES/FACE SHIELD.

Other Protective Equipment:ACID-RESISTANT APRON, BOOTS.

Work Hygienic Practices:HANDLE CAUTIOUSLY; AVOID CONTACT WITH SKIN AND
EYES.

Supplemental Safety and Health

THIS MSDS IS BASED ON THE MANUFACTURER'S MSDS FOR THE BATTERY'S
ELECTROLYTE, SULFURIC ACID.

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

HCC:C1

Boiling Pt:=95.C, 203.F

B.P

. Text:@ 14.7 PSIA.

Vapor Pres:10 MM HG @18F

Vapor Density:>1

Spec Gravity:1.245 TO 1.295

Evaporation Rate & Reference: