

EXIDE CORP -- BATTERY ELECTROLYTE -- 6140-01-446-9498

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Product Identification  
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Product ID: BATTERY ELECTROLYTE

MSDS Date: 04/01/1996

FSC: 6140

NIIN: 01-446-9498

Status Code: A

Kit Part: Y

MSDS Number: CKKJY

=== 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: 20038

=== 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

Contract Num: SPO430-98-D-0055

CAGE: 20038

Company Name: EXIDE CORP (319-378-0789)

Address: GRANT ST RR 1

Box: UNKNOW

City: MANCHESTER

State: PA

ZIP: 52057

Country: US

Phone: 319-927-4501/FAX 319-927-5701

CAGE: 0RML3

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Composition/Information on Ingredients  
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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.  
Maxumum % Wt:70.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic: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.  
Explanation of Carcinogenicity:IARC HAS CLASSIFIED "STRONG INORGANIC  
ACID MIST CONTAINING SULFURIC ACID" AS A CATEGORY I CARCINOGEN, A  
SUBSTANCE THAT IS CARCINOGENIC TO HUMANS. THIS CLASSIFICATION DOES  
NOT APPLY TO LIQUID FORMS OF SULFURIC ACID OR SULFURIC ACID  
SOLUTIONS CONTAINED WITHIN A LEAD-ACID BATTERY.

Effects o  
f Overexposure:COUGH, INCREASED RESPIRATORY RATE; STINGING,  
BURNING SENSATION ON SKIN, EYE IRRITATION; DISCOLORATION OF TEETH.  
Medical Cond Aggravated by Exposure:EXPOSURE TO MIST MAY CAUSE LUNG  
DAMAGE AND AGGRAVATE PULMONARY CONDITIONS.

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

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 =====

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.

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

Spill Release Procedures: 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: NEUTRALIZE WITH SODA ASH, LIME, OR SODIUM BICARBONATE.

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

Handling and Storage Precautions: STORAGE/HANDLING AREAS SHOULD BE EQUIPPED WITH EYE WASHES/SAFETY SHOWERS. HANDLE CAUTIOUSLY; AVOID CONTACT WITH SKIN AND EYES.

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

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

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

Ventilation: LOCAL EXHAUST: 150PPM SPECIAL; ACID-RESISTANT VENTILATION COMPONENTS. MECHANICAL (GENERAL): 3-4 AIR CHANGES PER HOUR

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

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

HCC: C1

Boiling Pt: =95.C, 203.F

Vapor Pres: 10(MM HG)@18F

Vapor Density: >1(AIR=1)

Spec Gravity: 1.245-1.295 (H2O=

1)@60F

Evaporation Rate & Reference: