

GENERAL MOTORS CORP, DELCO REMY DIV -- ALL MODELS OF DELCO BATTERIES --  
6140-01-333-6739

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

Product ID:ALL MODELS OF DELCO BATTERIES

MSDS Date:02/22/1993

FSC:6140

NIIN:01-333-6739

Status Code:A

MSDS Number: CKCPB

=== Responsible Party ===

Company Name:GENERAL MOTORS CORP, DELCO REMY DIV

Address:2401 COLUMBUS AVE

Box:640

City:ANDERSON

State:IN

ZIP:48011

Country:US

In

fo Phone Num:EMER:313/556-1597 OR 6200

Emergency Phone Num:800-535-5053 INFOTRAC

Preparer's Name:RICHARD GALLAGHER

CAGE:16764

=== Contractor Identification ===

Company Name:CELL ENERGY INC

Address:3190-B ORANGE GROVE AVE

Box:City:NORTH HIGHLANDS

State:CA

ZIP:95660-5706

Country:US

Phone:916-484-7974

Contract Num:SP0430-99-M-AR26

CAGE:1U269

Company Name:GENERAL MOTORS CORP, DELCO REMY DIV

Address:2401 COLUMBUS AVE

Box:640

City:ANDERSON

State:IN

ZIP:48011

Country:US

Phone:EMER:313/556-1597 OR 6200

CAGE:16764

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Composition/Information on Ingredients  
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Ingred Name:SULFURIC ACID

CAS:7664-93-9

RTECS #:WS5600000

= Wt:37.

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

Fraction by Wt: BALANCE

Ingred Name:LEAD

CAS:7439-92-1

RTECS #:OF7525000

> Wt:90.

ACGIH TLV:0.15 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SEPARATOR: POLYETHYLENE

Ingred Name:CASE AND COVE

R: POLYPROPYLENE (PLASTIC)

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Hazards Identification  
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LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:CONTACT WITH SULFURIC ACID RESULTS IN  
RAPID DESTRUCTION OF BODY TISSUE (BURNS).

Explanation of Carcinogenicity:ACCORDING TO THE INTERNATIONAL AGENCY  
FOR RESEARCH FOR CANCER(IARC), OCCUPATIONAL EXPO

SURE TO STRONG

INORGANIC ACID MISTS CONTAINING SULFURIC ACID IS CARCINOGENIC TO HUMANS

Effects of Overexposure:CONTACT WITH SULFURIC ACID RESULTS IN RAPID DESTRUCTION OF BODY TISSUE (BURNS).

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:INHALATION:DO NOT EXCEED 1 MG/M3 TWA. REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING. GIVE MILK MIXED WITH EGG WHITES, IF CONSCIOUS. GET MEDICAL ATTENTION. EYE OR SKIN CONTACT:FLUSH WITH LARGE VOLUMES OF WATER. GET MEDICAL ATTENTION.

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

Extinguishing Media:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
Fire Fighting Procedures:RECOMMEND SELF-CONTAINED BREATHING APPARATUS IF BATTERIES ARE INVOLVED IN FIRE. TOXIC FUMES FROM BURNING PLASTIC, ACID FUMES AND VAPORS CAN OCCUR.  
Unusual Fire/Explosion Hazard:WHILE BATTERIES ARE BEING CHARGED, HYDROGEN GAS IS GENERATED. AVOID OPEN FLAME, SPARKS OR LIGHTED MATCHES. ACID, AN OXIDIZER, CAN IGNITE COMBUSTIBLES UPON CONTACT.

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

Spill Release Procedures:LIME OR SODA -TYPE COMPOUNDS MAY BE USED TO NEUTRALIZE AND/OR FLUSH WITH LARGE VOLUMES OF WATER. CONTAIN SPILL.  
Neutralizing Agent:LIME OR SODA-TYPE COMPOUNDS.

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

Handling and Storage Precautions:AVOID SKIN CONTACT WHEN CHARGING BATTERIES. AVOID PLACING IN AREA WHERE HYDROGEN GAS CAN BUILD UP. DO NOT PLACE NEAR OPEN FLAMES, SPARKS, OR LIGHTED MATCHES.  
Other Precautions:PAY ATTENTION TO LABELS ON BATTERY AND CARTONS CONTAINING BATTERIES. LISTED AS A CARCINOGEN IN NTP, IARC, OR OSHA: SULFURIC ACID=IARC.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATORY PROTECTION IF 1 MG/M3 TWA I

S EXCEEDED (ACID).

Ventilation:LOCAL:YES, AT CHARGING STATIONS

Protective Gloves:RUBBER.

Eye Protection:SPLASH-PROOF SAFETY GOGGLES.

Other Protective Equipment:USE RUBBER BOOTS AND ACID-PROOF CLOTHING FOR MINOR SPILLS.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

CELL ENERGY P/N: 26R-50S

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

HCC:C1

Boiling Pt:=111.7C, 233.F

Spec Gravity:VARIES WITH SIZE-1.28AVG

pH: