

GENERAL MOTORS CORP, DELCO REMY DIV -- ALL MODELS OF DELCO BATTERIES --
6140-01-203-4697

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

Product ID:ALL MODELS OF DELCO BATTERIES

MSDS Date:02/22/1993

FSC:6140

NIIN:01-203-4697

MSDS Number: BTRBG

=== Responsible Party ===

Company Name:GENERAL MOTORS CORP, DELCO REMY DIV

Address:2401 COLUMBUS AVE

Box:2439

City:ANDERSON

State:IN

ZIP:46018-9986

Country:US

Info Phon

e Num:317-646-7800

Emergency Phone Num:317-646-7800

Preparer's Name:RICHARD GALLAGER

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

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

===== Composition/Information on Ingrid

ients =====

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 37%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: >90%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15 MG/M3,D
UST;9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:TLV: 1 MG/M3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:CONTACT WITH SULFURIC ACID RESULTS IN
RAPID DESTRUCTION OF BODY TISSUE (BURNS).
Explanation of Carcinogenicity:ACCORDING TO THE IARC, OCCUPATIONAL
EXPOSURE TO STRONG INORGANIC ACID MIST IS CARCINOGENIC
TO HUMANS.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-DO NOT EXCEED 1 MG/M3 TEW. 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 CO NTACT-FLUSH WITH LARGE VOLUMES OF WATER.GET MEDICAL
ATTENTION.

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Fire Fighting Measures
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Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:RECOMMENDED 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 ON CONTACT

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

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Exposure Controls/Personal Protection
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Respiratory Protection:USE NIOSH APPROVED RESPIRATORY PROTECTION IF 1
MG/M3 TWA IS EXCEEDED (ACID).
Ventilation:LOCAL EXHAUST-YES, AT CHARGING STATION.
Protective Gloves:RUBBER GLOVES.
Eye Protection:SPLASH PROOF SAFETY GOGGLES.
Other Protectiv
e Equipment:USE RUBBER BOOTS AND ACID-PROOF CLOTHING FOR
MAJOR SPILLS.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
NONE

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Physical/Chemical Properties
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HCC:C1
Boiling Pt:B.P. Text:233F,112C
Vapor Pres:2.730 MMHG
Spec Gravity:1.280 AVERAGE
pH: