

DELCO REMY DIV OF GENERAL MOTORS CORP -- ALL MODELS OF DELCO BATTERIES --  
6140-01-031-6878

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

Product ID:ALL MODELS OF DELCO BATTERIES

MSDS Date:02/22/1993

FSC:6140

NIIN:01-031-6878

MSDS Number: BTRQD

=== Responsible Party ===

Company Name:DELCO REMY DIV OF GENERAL MOTORS CORP

Address:2401 COLUMBUS AVE

Box:2439

City:ANDERSON

State:IN

ZIP:46018-9986

Country:US

Info Phone Num:317-646-7800

Emergency Phone Num:317-646-7800

Preparer'

s Name:RICHARD GALLAGHER

CAGE:LO728

=== 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:DELCO REMY DIV OF GENERAL MOTORS CORP

Address:2401 COLUMBUS AVE

Box:2439

City:ANDERSON

State:IN

ZIP:46018

Country:US

Phone:317-646-3080

CAGE:LO728

Company Name:GENERAL MOTORS CORP, DELCO REMY DIV

Address:2401 COLUMBUS AVE

Box:640

City:ANDERSON

State:IN

ZIP:48011

Cou

ntry:US  
Phone:EMER:313/556-1597 OR 6200  
CAGE:16764

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

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 37%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
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 SPECIFIED

Ingred Name:LEAD (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fracti  
on by Wt: >90%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:CONTACT WITH SULFURIC ACID RESULTS IN  
RAPID DESTRUCTION OF BODY TISSUE (BURNS).  
Explanation of Carcinogenicity:LEAD IS LISTED AS A POSS

IBLE CARCINOGEN  
IN IARC.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. EYE OR SKIN CONTACT-FLUSH WITH LARGE VOLUMES OF WATER. GET MEDICAL ATTENTION. INGESTION-DO NOT INDUCE VOMITING. GIVE MILK MIXED WITH EGG WHITES I F CONSCIOUS. GET MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:RECOMMENDED SELF CONTAINED BREATHING APPARATUS IF BATTERIES ARE INVOLVED IN FIRE DUE TO TOXIC FUMES FROM BURNING PLASTIC & ACID FUMES & VAPORS.

Unusual Fire/Explosion Hazard:WHILE BATTERIES ARE BEING CHARGED, HYDROGEN GAS IS GENERATED. AVOID OPEN FLAMES, SPARKS OR LIGHTED MATCHES. ACID & POWERFUL OXIDIZERS, CAN IGNITE COMBUSTIBLES.

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

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

Neutralizing Agent:LIME OR SODA-TYPE COMPOUNDS

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

Handling and Storage Precautions:AVOID SKIN CONTACT. WHEN CHARGING BATTERIES, AVOID PLACING IN AREAS WHERE HYDROGEN CAN BUILD UP. DO NOT PLACE NEAR OPEN FLAME, SPARKS OR LIGHT MATCH

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Other Precautions:PAY ATTENTION TO LABELS ON BATTERY AND CARTONS CONTAINING BATTERIES.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATORY PROTECTION IF 1 MG/ M3 TWA IS EXCEEDED (ACID).

Ventilation:LOCAL EXHAUST AT CHARGING STATION.

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF SAFETY GOGGLES

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

Work Hygienic Practices:NO

NE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE

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

HCC:C1

Boiling Pt:B.P. Text:233F,112C

Vapor Pres:2.730 MMHG

Spec Gravity:AVERAGE 1.280

pH: