

GENERAL MOTORS CORP, DELCO REMY DIV -- ALL MODELS OF DELCO BATTERIES --  
6140-00-199-4988

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

Product ID:ALL MODELS OF DELCO BATTERIES

MSDS Date:05/04/1992

FSC:6140

NIIN:00-199-4988

Status Code:A

MSDS Number: CJJTK

=== Responsible Party ===

Company Name:GENERAL MOTORS CORP, DELCO REMY DIV

Address:2401 COLUMBUS AVE

Box:2439

City:ANDERSON

State:IN

ZIP:46018-9986

Countr

y:US

Info Phone Num:317-646-7800

Emergency Phone Num:800-535-5053

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:SP0400-99-MGB90

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 Ingredients =====

Ingred Name:SULFURIC ACID (SARA III) (ELECTROLYTE)  
CAS:7664-93-9  
RTECS #:WS5600000  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER (ELECTROLYTE)  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BAL

Ingred Name:LEAD (ELECTRODE)  
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:POLYETHYLENE (SEPARATOR)  
CAS:9002-88-4  
RTECS #:KX3270000

Ingred Name:POLY  
PROPYLENE (CASE & COVER)  
CAS:9003-07-0  
RTECS #:UD1842000

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:CONTACT WITH SULFURIC ACID IS HARMFUL  
TO BODY TISSUES.  
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.  
Effects of Overexposure:CONTACT WITH BODY TISSUES IS HARMFUL TO BODY  
TISSUE.  
Medical Cond Aggravated by Ex

posure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid: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.

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

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS STAFF: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:RECOMM

ENDED 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 FLAMES, SPARKS PR LIGHTED MATCHES.THE BATTERY 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 AREAS 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.

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= Exposure Controls/Personal Protection =====

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

Ventilation:LOCAL EXHAUST AT CHARGING STATIONS.

Protective Gloves:RUBBER.

Eye Protection:SPALSH-PRROF SAFETY GLASSES.

Other Protective Equipment:USE RUBBER BOOTS AND ACID-PROOF CLOTHING FOR MAJOR SPILLS. DLA-HMIS STAFF: EYE WASH STATIONS AND QUICK DRENCH SHOWER IN BATTERY CHARGING AREA.

Work Hygienic Practices:NONE SPECIFIED BY M

ANUFACTURER. DLA-HMIS STAFF:

WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, APPLYING  
COSMETICS OR SMOKING. LAUNDRY ACID CONTAMINATED CLOTHES BEFORE  
REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:C1

Boiling Pt:=111.7C, 233.F

Spec Gravity:1.28 (AVERAGE)

pH: