

DELCO REMY DIV OF GENERAL MOTORS CORP -- ALL MODELS OF DELCO BATTERIES --  
6140-01-290-4732

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

Product ID:ALL MODELS OF DELCO BATTERIES

MSDS Date:05/04/1992

FSC:6140

NIIN:01-290-4732

MSDS Number: BNBCW

=== Responsible Party ===

Company Name:DELCO REMY DIV OF GENERAL MOTORS CORP

Address:2401 COLUMBUS AVE

Box:2439

City:ANDERSON

State:IN

ZIP:46018

Country:US

Info Phone

Num:317-646-3080

Emergency Phone Num:317-646-3080

Preparer's Name:EDWARD M. KSENIK

CAGE:LO728

=== Contractor Identification ===

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 CHEVROLET MOTOR DIV

Address:30007 VAN DYKE

Box:City:WARREN

State:MI

ZIP:48090

Country:US

CAGE:11862

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)  
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 II  
I)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction 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

Ingred Name:POLYETHYLENE - USED AS SEPARATORS  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYPROPYLENE - BATTERY CASE & COVER  
CAS:9003-07-4  
RTECS #:UD1842000  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Inges

tion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:CONTACT WITH SULFURIC ACID IS HARMFUL TO BODY TISSUES (BURNS). HMIS: CONTACT WITH SULFURIC ACID IS THE MOST LIKELY HAZARD. CONTACT WITH THE LEAD INTERNALS IS HIGHLY UNLIKELY AND WILL OCCUR ONLY IF THE CASE IS BREACHED.

Explanation of Carcinogenicity:MFR LEFT BLANK. LEAD AND/OR LEAD COMPOUNDS ARE LISTED AS CARCINOGENS BY IARC AND NTP. SEE INDIVIDUAL REPORT FOR DETAILS

Effects

of Overexposure:SUPPLIER DIDN'T ADDRESS THIS FIELD. HMIS: SEVERE IRRITATION AND/OR BURNS TO ANY BODY TISSUE CONTACTED BY THE SULFURIC ACID ELECTROLYTE.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY MFR.

#### ===== 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. HMIS: IF ANY IRRITATI

ON OR BURNS ARE

PERSISTENT OR SEVERE, SEE A DOCTOR. GET MEDICAL ATTENTION FOR ANY INGESTION OF ELECTROLYTE.

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

Extinguishing Media:SUPPLIER DIDN'T ADDRESS THIS FIELD. HMIS: EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

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

#### ===== 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:HMIS: SODIUM BICARBONATE OR SODA ASH/LIME

#### ===== 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, OR SPARKS.

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

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

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

Protective Gloves:RUBBER

Eye

Protection:SPLASH-PROOF SAFETY GLASSES

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

Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

KEY2:KT MSDS IS VERY SKETCHY.

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

HCC:C1

NRC/State Lic Num:NONE

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

Vapor Pres:2.730 MM

Spec Gravi

ty:VARIES

pH:< 1.0

Solubility in Water:MISCIBLE

Appearance and Odor:MFR BLANK. HMIS:ACID SOL'N IN PLASTIC CASE W/SIDE OR TOP TERMINALS & VENT CAPS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
OXIDIZING OR REDUCING MATERIALS.

Stability Condition to Avoid:SUPPLIER DIDN'T ADDRESS THIS FIELD.

Hazardous Decomposition Products:WHEN HEATED, CAN EMIT HIGHLY TOXIC FUMES

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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===== Disposal Considerations =====

Waste Disposal Methods:DISOPSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS  
FOR LEAD SCRAP OR ACID.

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