

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 =

=====

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.

=====

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

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing
this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.