

DELCO REMY DIV OF GENERAL MOTORS CORP -- BATTERY, WET, FILLED WITH ACID --  
6140-01-044-2605

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

Product ID: BATTERY, WET, FILLED WITH ACID

MSDS Date: 05/08/1991

FSC: 6140

NIIN: 01-044-2605

MSDS Number: BMSYZ

=== Responsible Party ===

Company Name: DELCO REMY DIV OF GENERAL MOTORS CORP

Address: 2401 COLUMBUS AVE

City: ANDERSON

State: IN

ZIP: 46014-1652

Country: US

Info Phone N

um: 317-646-3080

Emergency Phone Num: 317-646-3080

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, 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

Company Name: VOLTEX BATTERIES INC

Address: 14 STEVE DRIVE

Box: City: ATLANTA

St

ate:GA  
ZIP:30340  
Country:US  
Phone:404-448-6021  
CAGE:0CYL5

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

Ingred Name:SULFURIC ACID (SARA III) \*  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 37%  
Other REC Limits:NOT SPECIFIED  
OSHA PEL:1 MG/M3 \*  
ACGIH TLV:1 MG/M3; 9192 \*  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III) \*  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: >90% %  
Other REC Limits:NOT 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:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:NO POSSIBILITY OF OVEREXPOSURE TO  
LEAD, ETC. UNLESS BATTERY IS DESTROYED

. SULFURIC ACID MIST CAUSES  
COUGHING AND WILL BURN EYES AND SKIN.

Explanation of Carcinogenicity:SOME LEAD COMPOUNDS ARE LISTED BY NTP  
AND IARC AS POSSIBLY CAUSING CANCER.

Effects of Overexposure:EYE, SKIN & MUCOUS MEMBRANE BURNS. (SULFURIC  
ACID CONTACT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE  
MEDICAL ATTENTION.

SKIN: FLUSH WITH LARGE AMOUNT OF WATER. GET  
MEDICAL ATTENTION IF REQUIRED. INHALATION: REMOVE TO FRESH AIR.  
GIVE OXYGEN IF BREATHING IS DIFFICULT.

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

Flash Point:NOT GIVEN

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:HALOGEN OR DRY CHEMICAL

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

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

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

Spill Release Procedures:WASH WITH WATER AND/OR NEUTRALIZE WITH SODIUM  
CARBONATE OR SODIUM BICARBONATE.

Neutralizing Agent:SODIUM CARBONATE OR SODIUM BICARBONATE.

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

Handling and Storage Precautions:KEEP AWAY FROM FLAMES DURING AND  
IMMEDIATELY AFTER CHARGE. DO NOT SHORT BATTERY WITH TOOLS, ETC.

Other Precautions:AVOID PROLONGED OVERCHARGE IN CONFINED AREAS. AVOID  
SKIN CONTACT. WHEN CHARGING BATTERIES AVOID PLACING IN AREAS WHERE  
HYDROGEN CAN BUILD UP. DO NOT PLACE NEAR OPEN FLAMES, SPARKS OR  
LIGHTED MATCHES.

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

Respiratory Protection:SULFURIC ACID M

IST: HALF MASK WITH DUST AND MIST  
FILTER.

Ventilation:LOCAL EXHAUST WHICH GIVES 3-4 AIR CHANGES IN THE ROOM PER  
HOUR.

Protective Gloves:RUBBER GLOVES RECOMMENDED

Eye Protection:CHEMICAL WORKER GOGGLES OR FACE SHIELD

Other Protective Equipment:RUBBER APRON RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THE REPORTABLE UANTITY FOR SULFURIC ACID IS 1,000 POUNDS. THE RCRA  
HAZARDOUS WASTE NUMBER WOULD BE D002 PER MANUFACTURER.

=====

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

HCC:C1

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

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:2.730

Vapor Density:NOT GIVEN

Spec Gravity:VARIES W/SIZE

pH:< 1.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:MISCIBLE

Appearance and Odor:WATER WHITE LIQUID INSIDE POLYPROPYLENE (PLASTIC)  
COVER.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING OR REDUCI  
NG MATERIALS

Stability Condition to Avoid:PROLONGED OVERCHARGING IN CONFINED SPACES

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

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

Waste Disposal Methods:SEND USED BATTERIES TO LICENSED RECLAMATION  
FACILITY. DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL  
REGULATIONS.

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.