

FORD MOTOR CO, GOVERNMENT PART SALES -- U.S. BATTERY (BATTERY ELECTROLYTE) --  
6140-01-360-6489

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

Product ID:U.S. BATTERY (BATTERY ELECTROLYTE)

MSDS Date:05/13/1991

FSC:6140

NIIN:01-360-6489

MSDS Number: BQQJS

=== Responsible Party ===

Company Name:FORD MOTOR CO, GOVERNMENT PART SALES

Address:3000 SCHAEFER ROAD

Box:1902

City:DEARBORN

State:MI

ZIP:48121

Country:U

S

Info Phone Num:313-337-5440, FAX:313-845-0879

Emergency Phone Num:313-323-0045

CAGE:23040

=== Contractor Identification ===

Company Name:FORD MOTOR CO, GOVERNMENT PART SALES

Address:3000 SCHAEFER ROAD

Box:1902

City:DEARBORN

State:MI

ZIP:48121

Country:US

Phone:313-323-0045

CAGE:23040

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 62-64%

Other REC Limits:NONE SPECIFIED

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 34-38%  
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

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ELECTROLYTE-INHALATION OF  
VAPORS:SEVERE IRRITATION OR BURNS OF T  
HE RESPIRATORY SYSTEM,  
PULMONARY EDEMA, OR LUNG INFLAMMATION. EYE:SEVERE DAMAGE AND  
POSSIBLE BLINDNESS. SKIN: BURNS AND POSSIBLE DEEP UL CERATION.  
INGESTION:SEVERE BURNS TO MOUTH, THROAT, AND STOMACH.  
Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED BY IARC,  
NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEVERE IRRITATION OR BURNS TO EYES, NOSE AND  
THROAT. PULMONARY EDEMA, BRONICAL EMPHYSEMA, CONJUNCTIVITIS,  
STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING  
.   
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY  
BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.  
SKIN :REMOVE CONTAMINATED C  
LOTHING. WASH WITH PLENTY OF WATER FOR  
15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING.  
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL  
ATTENTION.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOS

ED

CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR FULL PROTECTIVE EQUIPMENT. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE TO RETAIN RUNOFF. PUMP LIQUID TO SALVAGE TANK. NEUTRALIZE SMALL AMOUNTS WITH SODA ASH O R LIME. MAKE SLURRY AND SHOVEL INTO

DISPOSAL DRUM.

Neutralizing Agent:SODIUM BICARBONATE OR A SODA ASH/SLAKED LIME MIXTURE (50-50)

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP CONTAINERS AWAY FROM HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS. ADD ACID TO WATER SLOWLY TO PREVENT SPLATTERING.

Other Precautions:ADDITION TO WATER RELEASES HEAT WHICH CAN RESULT IN VIOLENT BOILING AND SPATTERING. ALWAYS ADD SLOWLY AND IN SMALL

AMOUNTS. NEVER USE HOT WATER. NEVER ADD WATER TO ACIDS. ALWAYS ADD ACIDS TO WATER. EM PTY CONTAINERS MAY BE HAZARDOUS.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:USE SUFFICIENT MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV REQUIREMENTS.

Protective Gloves:POLYVINYL CHLORIDE GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES AND FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, BOOTS AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE

VAPORS OR MISTS.

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

HCC:C1

Boiling Pt:B.P. Text:529F,276C

Vapor Pres:0.0018

Spec Gravity:1.250

pH:2.0

Solubility in Water:TOTAL

Appearance and Odor:CLEAR WATER-LIKE LIQUID WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION

Hazardous Decompositio

n Products:OXIDES OF SULFUR AND HYDROGEN

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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