

FORD MOTOR CO, GOVERNMENT PART SALES -- U.S. BATTERY -- 6140-00-397-2662

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

Product ID:U.S. BATTERY

MSDS Date:05/13/1991

FSC:6140

NIIN:00-397-2662

MSDS Number: BNMNL

=== Responsible Party ===

Company Name:FORD MOTOR CO, GOVERNMENT PART SALES

Address:3000 SCHAEFER ROAD

Box:1902

City:DEARBORN

State:MI

ZIP:48121

Country:US

Emergency Phone Num:313-323-0045

CAGE:23040

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= Contractor Identification ===

Company Name:FORD MOTOR CO, GOVERNMENT PART SALES

Address:3000 SCHAEFER ROAD

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===== 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 P

EL: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:INHALATION OF VAPORS CAUSES SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR LUNG INFLAMMATION. EYE CONTACT CAUSES SEVERE DAMAGE AND POSSIBLE BLINDNESS. SKIN CONTACT CAUSES BURNS AND POSSIBLE DEEP ULCERATION. INGESTION CAUSES 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, BRONCHIAL EMPHYSEMA, CONJUNCTIVITIS, STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING.
Medical Condition Aggravated by Exposure:PERSONS WITH A HISTORY OF AIRWAY DISEASES 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 CLOTHING. 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 EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazards:

zard: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 S
ODA 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 ANDD SLOWLY AND IN SMALL
AMOUNTS. NEVER USE HOT WATER. NEVER ADD WATER TO ACIDS. AL
WAYS ADD
ACIDS TO WATER. E MPTY 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. LAUNDER 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 Pro

erties =====

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 Decomposition Products:OXIDES OF SULFUR AND HYDROGEN

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== Disposal Considerations =====

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

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