

GATES ENERGY PRODUCTS AFFIL OF GATES RUBBER CO -- SEALED LEAD ACID
BATTERY,24.19/25C/V2 -- 6140-01-097-9254

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Product Identification
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Product ID:SEALED LEAD ACID BATTERY,24.19/25C/V2

MSDS Date:02/20/1990

FSC:6140

NIIN:01-097-9254

MSDS Number: BLWDL

=== Responsible Party ===

Company Name:GATES ENERGY PRODUCTS AFFIL OF GATES RUBBER CO

Address:1050 S BROADWAY

Box:5887

City:DENVER

State:CO

Z

IP:80217

Country:US

Info Phone Num:303-744-5360

Emergency Phone Num:303-744-1911

Preparer's Name:NEIL PUESTER,PROD.MANAGER

CAGE:57053

=== Contractor Identification ===

Company Name:GATES ENERGY PRODUCTS AFFIL OF GATES RUBBER CO

Address:1050 S BROADWAY

Box:5887

City:DENVER

State:CO

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA III) AND LEAD OXIDES

CAS:7439-92-1

RTECS #:OF7525000

Other REC Limits:NONE SPECIFIED

OSHA P

EL: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:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
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 =====
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LD50 LC50 Mixture:LD50 ORAL RAT IS 2140 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSH
A:NO

Health Hazards Acute and Chronic:ACUTE: BURNS, SEVERE IRRITATION OF SKIN, EYES, MOUTH, THROAT, ESOPHAGUS AND STOMACH; INFLAMMATION OF BRONCHIAL MEMBRANES. CHRONIC: EROSION OF TEETH, INFLAMMATION OF NOSE, THROAT AND BRONCHIAL TUBES. (MANUFACTURER SAYS NO HEALTH HAZARD EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE).

Explanation of Carcinogenicity:LEAD IS ANTICIPATED CARCINOGENIC BY NPT, POSSIBLY CARCINOGENIC TO HUMANS BY IARC.

Effects of Overexposure:COUGH, INCREASED RESPIRATORY RATE, STINGING, BURNING SENSATION ON SKIN, EYE IRRITATION, DISCOLORATION OF TEETH. (MANUFACTURER SAYS NO HEALTH HAZARD EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE).

Medical Cond Aggravated by Exposure:EXPOSURE TO MISTS MAY CAUSE LUNG DAMAGE AND AGGRAVATE PULMONARY CONDITIONS. (MANUFACTURER SAYS NO HEALTH HAZARDS KNOWN FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE).

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===== First Aid Measures =====
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First Aid:EYES/SKIN: FLUSH WITH PLENTY OF WATER. SEE DOCTOR IMMEDIATELY. REMOVE CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMIT. GIVE MILK OR WATER, FOLLOWED BY 2OUNCES OF MILK OF MAGNESIA (NO CARBONATES). SEE DOCTOR IMMEDIATELY.

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===== Fire Fighting Measures =====
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Flash Point:NONE
Lower Limits:4.0(HYDROGN)
Upper Limits:75(HYDROGEN)
Extingu

ishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:EVACUATE AREA. REMOVE ALL IGNITION SOURCES.

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SCBA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:HYDROGEN GAS MAY BE PRODUCED AND MAY EXPLODE IF IGNITED. REMOVE ALL IGNITION SOURCES. VENTILATE AREA.

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

Spill Release Procedures:WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DILUTE

CAUTIOUSLY WITH WATER. COVER WITH SODA ASH OR QUICKLIME. SCOOP UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE), BAKING SODA OR QUICKLIME (CALCIUM OXIDE).

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. STORE AWAY FROM FLAMES, IGNITION SOURCES, COMBUSTIBLE AND ORGANIC MATERIALS. AVOID PROLONGED OVERCHARGING.

Other Precautions:DO NOT CARRY BATTERY BY TERMINALS. DO NOT DROP BATTERY, PUNCTURE OR ATTEMPT TO OPEN BATTERY CASE. KEEP TERMINALS COVERED IN PLASTIC CASE. AVOID SHORTING BATTERIES.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK AS APPROPRIATE FOR EXPOSURE OF CONCERN WHEN TLV IS EXCEEDED.

Ventilation:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CONFINED AREAS.

Protective Gloves:RUBBER GLOVES IF CONTACT IS EXPECTED.

Eye Protection:GOGGLES IF CONTACT IS EXPECTED.

Other Protective Equipment:RUBBER APRON AND BOOTS IF CONTACT IS EXPECTED. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

IN ITS MANUFACTURED AND SUPPLIED STATE, THE PRODUCT IS CONSIDERED NON-HAZARDOUS. OVERCHARGING OR ABUSE TO THE TERMINALS CAN RESULT IN THE RELEASE OF

ACID OR ACID VAPORS. DISCONNECT AND CLEAN TERMINALS
WITH MILD BAKING SODA SOLUTION AND WASH WITH WATER.

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

HCC:C1
pH:ACIDIC
Solubility in Water:COMPLETE
Appearance and Odor:ACID SOLUTION IN PLASTIC CASE

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

Stability Indicator/Materials to Avoid:YES
ORGANIC MATERIALS, CHLORATES, CARBIDES, FULMINATES, WATER, POWDERED
METALS (NOTE; REACTS VIOLENTLY WITH WATER).
Stability Condition to Avoid:AVOID SHORTING, USE ONLY APPROVED CHARGING
METHODS. AVOID HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:SULFURIC ACID FUMES, SULFUR DIOXIDE,
SULFUR TRIOXIDE, CARBON MONOXIDE, HYDROGEN GAS.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
ENVIRONMENTAL REGULATIONS.

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