

CONCORDE BATTERY CORP -- LEAD/ACID BATTERY, DRY CHARGED -- 6140-00-328-3890

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

Product ID: LEAD/ACID BATTERY, DRY CHARGED

MSDS Date: 02/20/1991

FSC: 6140

NIIN: 00-328-3890

MSDS Number: BNVYJ

=== Responsible Party ===

Company Name: CONCORDE BATTERY CORP

Address: 2009 SAN BERNARDINO RD

City: WEST COVINA

State: CA

ZIP: 91790-1006

Country: US

Info Phone Num: 213-962-4006

Emergency Phone Num: 213-962-4006

Preparer's Name: DOD-HMIS (DGSC-SSH)

CAGE: 6

3017

=== Contractor Identification ===

Company Name: CONCORDE BATTERY CORP

Address: 2009 SAN BERNARDINO RD

Box: City: WEST COVINA

State: CA

ZIP: 91790-1006

Country: US

Phone: 800-255-3924/818-813-1234

CAGE: 63017

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

Ingred Name: LEAD OXIDE

CAS: 1317-36-8

RTECS #: OG1750000

Fraction by Wt: 49%

Other REC Limits: NONE SPECIFIED

Ingred Name: LEAD SULFATE (SARA III)

CAS: 7446-14-2

RTECS #: OG4375000

Fraction by Wt: 5%

Other REC Limits: NONE SPECIFIED

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OSHA PEL:SEE 1910.1025  
ACGIH TLV:0.15 MG PB/M3; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:LEAD (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 45%  
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:PLASTIC BATTERY CASE  
Other REC Limits:NONE SPECIFIED

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV  
:1 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL RAT LD50 IS NOT KNOWN  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT CONTAINS LEAD. IT MUST BE  
FILLED WITH SULFURIC ACID BEFORE USE. SULFURIC ACID IS A CORROSIVE  
CAUSING BURNS TO BODY TISSUES. LEAD IS TOXIC AND SOME LEAD  
COMPOUNDS ARE  
LISTED AS CARCINOGENIC. CONTACT WITH THE LEAD IS  
HIGHLY UNLIKELY.CONTACT WITH THE ACID MAY OCCUR AT FILLING OR IF  
THE CASE IS BROKEN OR SPILLED  
Explanation of Carcinogenicity:LEAD COMPOUNDS ARE LISTED AS  
CARCINOGENIC IN ANIMALS AND POSSIBLY IN HUMANS.  
Effects of Overexposure:CONTACT WITH SULFURIC ACID IS THE MOST LIKELY  
EXPOSURE, PRODUCING IRRITATION OR BURNS TO THE BODY TISSUE  
CONTACTED.  
Medical Cond Aggravated by Exposure:NONE

===== First Aid Measures

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First Aid:FIRST AID IS GIVEN FOR SULFURIC ACID CONTACT. EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED: REMOVE TO FRESH AIR . INGESTED:DO NOT INDUCE VOMITING. GIVE2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

===== Fire Fighting Measures ==  
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Flash Point:NON-FLAMMABLE  
Autoignition Temp:Autoignition Temp Text:UNKNON  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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= Accidental Release Measures =====

Spill Release Procedures:IF ACID IS SPILLED, NEUTRALIZE. PLACE REMAINDER IN AN ACID RESISTANT CONTAINER FOR RECYCLE OF THE LEAD.  
Neutralizing Agent:SODIUM BICARBONATE OR LIME

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

Handling and Storage Precautions:STORE IN COOL, DRY AREA. PROTECT FROM PHYSICAL DAMAGE. PROTECT TERMINALS FROM SHORT CIRCUITS.  
Other Precautions:READ MANUFACTURERS LITERATURE AND FOLLOW INSTR UCTIONS. DO NOT OVERCHARGE OR SHORT TERMINALS.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED RESPIRATOR FOR ACID DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.  
Ventilation:NOT NORMALLY REQUIRED. USE LOCAL EXHAUST DURING CHARGING CYCLES TO AVOID AN EXPLOSIVE BUILD UP OF HYDROGEN GAS.  
Protective Gloves:NONE

(RUBBER IF ACID IS LEAKING)

Eye Protection:SAFETY GLASSES/SPLASH GOGGLES (LIQUID)

Other Protective Equipment:NORMAL WORK CLOTHING. PROTECT WITH IMPERVIOUS APRON AND/OR BOOTS IF ACID IS LEAKING OR BEING HANDLED.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID ALL CONTACT WITH ACID OR INTERNALS OF THE BATTERY.

Supplemental Safety and Health

NSN COVERS A LEAD/ACID BATTERY. USE PROTECTIVE EQUIPMENT WHEN HANDLING THE BATTERY OR THE ACID. MSDS IS WRITTEN TO COVER CONTACT WITH THE

ACID, THE MOST LIKELY HAZARDOUS EXPOSURE. MSDS WRITTEN BY DGSC - SSH FROM A PRIOR MSDS FROM CONCORD BATTERY.

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

HCC:N1

Appearance and Odor:PLASTIC CASED SOLID, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES (AFTER ACID FILL)

Stability Condition to Avoid:OVER CHARGING (HYDROGEN GAS IS EVOLVED CREATING AN EXPLOSION HAZARD)

Hazardous Decomposition Products:MAY EMIT LEAD FUMES UNDER FIRE CONDITIONS, OR HYDROGEN GAS DURING CHARGING(ESPECIALLY OVER CHARGING).

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS THAT DISPOSAL MAY BE DONE BY FLUSHING NEUTRALIZED ACID TO DRAIN AND SENDING REMAINDER TO LEAD RECLAIMER. DO NOT INCINERATE !!!

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