

CONCORDE BATTERY CORP -- VALVE REGULATED LEAD ACID BATTERY (D8565/14-1) --
6140-01-420-8988

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

Product ID:VALVE REGULATED LEAD ACID BATTERY (D8565/14-1)

MSDS Date:08/18/1999

FSC:6140

NIIN:01-420-8988

MSDS Number: CJKXZ

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

Emergency Phone Num:626-813-1234/800-255-3924(AFTER HR)

Preparer's Name:JOHN B. HINER

CAGE:63017

=== Contractor Identification ===

Company Name:ADVANCED POWER PRODUCTS

Address:7702 S GREENLEAF AVE

Box:City:WHITTIER

State:CA

ZIP:90602

Country:US

Phone:562-696-7334

Contract Num:SP0430-98-M-JP54

CAGE:1CNZ7

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

Contr

act Num:SP0430-00-C-5007
CAGE:63017
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
Contract Num:SP0430-01-C-0781
CAGE:63017

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

Ingred Name:LEAD/LEAD OXIDE
CAS:7439-92-1
RTECS #:OF7525000
Minumum % Wt:60.
Maxumum % Wt:70.
Other REC Limits:ACGIH-TLV(MSDS) 0.05
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt
Qty:1 LB

Ingred Name:SULFURIC ACID
CAS:7664-93-9
RTECS #:WS5600000
Minumum % Wt:20.
Maxumum % Wt:30.
Other REC Limits:0.5 MG/M3 (MSDS)
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
ACGIH STEL:3 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ARSENIC
CAS:7440-38-2
RTECS #:CG0525000
< Wt:1.
Other REC Limits:NOT PROVIDED
OSHA PEL:.01 MG/M3
ACGIH TLV:0.01 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CALCIUM
CAS:7440-70-2
RTECS #:EV8040000
< Wt:.15
Other REC Limits:NOT PROVIDED
OSHA

PEL:NOT AVAILABLE
ACGIH TLV:NOT AVAILABLE

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

LD50 LC50 Mixture:NOT PROVIDED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EXPOSURE MAY OCCUR IF BATTERY CASE IS DAMAGED. LEAD: CHRONIC: TIRE EASILY, LOSS OF APPETITE, IRRITABILITY, METALLIC TASTE, INSOMNIA; TOXIC TO NERVOUS SYSTEM, KIDNEYS, REPRODUCTIVE SYSTEM. ACUTE:

CONSTIPATION, VOMITING, BLUE

LINE ON GUMS, WEAK WRISTS/ANKLES, WEIGHT LOSS, YELLOWISH SKIN.

ACID: CHRONIC - EROSION OF TEETH, INFLAMMATION OF NOSE, THROAT,

BRONCHIAL TUBES. ACUTE: EYES - SEVERE BURNS, CORNEA DAMAGE,

BLINDNESS. SKIN - SEVERE IRRITATION, BURNS, ULCERATION. INHALATION

- RESPIRATORY IRRITATION, INFLAMMATION OF BRONCHIAL MEMBRANES.

INGESTION - SEVERE BURNS OF MOUTH, THROAT, ESOPHAGUS AND STOMACH, DAMAGE TO KIDNEY AND INTESTINE

Explanation of Carcinogen

icity:CONTAINS ARSENIC AND LEAD.

Effects of Overexposure:EXPOSURE MAY OCCUR IF BATTERY CASE IS DAMAGED.

LEAD: CONSTIPATION, VOMITING, BLUE LINE ON GUMS, WEAK

WRISTS/ANKLES, WEIGHT LOSS, YELLOWISH SKIN. ACID: EYES - SEVERE

BURNS, CORNEA DAMAGE, BLINDNESS. SKIN - SEVERE IRRITATION, BURNS,

ULCERATION. INHALATION - RESPIRATORY IRRITATION, INFLAMMATION OF

BRONCHIAL MEMBRANES. INGESTION - SEVERE BURNS OF MOUTH, THROAT,

ESOPHAGUS AND STOMACH.

Medical Cond Aggravated by Exposure

:SULFURIC ACID AGGRAVATES PULMONARY

CONDITIONS. HARMFUL EFFECTS OF LEAD ARE INCREASED IN PERSONS WITH DIETARY DEFICIENCIES OF CALCIUM, IRON AND ZINC.

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

First Aid:LEAD: INHALATION: REMOVE FROM EXPOSURE. SEE PHYSICIAN.

EYES:(DRY OXIDE) WASH WITH WATER FOR 15 MINUTES. SEE PHYSICIAN.

SKIN: NOT A ROUTE OF ENTRY. INGESTION: SEE PHYSICIAN. SULFURIC

ACID: INHALATION: REMOVE TO FRESH AIR. SEE PHYSICIAN IMMEDIATELY.

IF UNCONSCIOUS, PERFORM CPR. KEEP VICTIM WARM, RESTED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. EYES: WASH WITH WATER FOR 15 MINUTES OR UNTIL ACID IS REMOVED. SEE PHYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH SKIN WITH PLENTY OF WATER UNTIL ACID FREE. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON, SEE PHYSICIAN IMMEDIATELY.

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

Flash Point Method:CC

Flash Po

int:>357.2C, 675.F

POLYPROPYLENE

Extinguishing Media:HALON, DRY CHEMICAL

Fire Fighting Procedures:BATTERIES DO NOT BURN OR BURN WITH DIFFICULTY.

EXTINGUISH FIRE WITH AGENT SUITABLE FOR SURROUNDING COMBUSTIBLE MATERIALS. COOL EXTERIOR OF BATTERY IF EXPOSED TO FIRE TO PREVENT RELEASE OF LEAD COMPOUNDS AND FUMES.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:WILL NOT OCCUR UNLESS SEALED CASE IS DAMAGED.

PICK UP AND CONTAINERIZE ALL BATTERY PARTS AND MATERIALS. LIMIT PERSONAL EXPOSURE WITH GLOVES, EYE AND FACE PROTECTION. NEUTRALIZE SULFURIC ACID WITH LIME, SODA ASH, OR SODIUM BICARBONATE.

Neutralizing Agent:LIME, SODA ASH, OR SODIUM BICARBONATE.

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

Handling and Storage Precautions:EXERCISE CAUTION IN HANDLING AND STORAGE DUE TO WEIGHT OF UNITS. DO NOT STORE IN AIR TIGHT CONTAINER.

Other Precautions:DO NOT

ALLOW METAL OR OTHER CONDUCTIVE MATERIAL TO

SHORT CIRCUIT TERMINALS. HEAT, SPARKS, DAMAGE TO ELECTRICAL CIRCUITS, AND FIRE MAY RESULT FROM SHORT CIRCUITING. PRACTICE GOOD HYGIENE TO MINIMIZE PERSONAL EXPOSURE. BATTERY MAY RELEASE HYDROGEN DURING CHARGING OR IF EXPOSED TO HIGH TEMPERATURES.

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

Respiratory Protection:IF PRODUCT IS INVOLVED IN FIRE, RELEASE OF DUST OR FUMES FROM DAMAGED CASES MAY RESULT. USE

OF SCBA FULL FACE OR
HALF-MASK RESPIRATOR WITH HEPA CARTRIDGE WOULD BE RECOMMENDED.

Ventilation:NO

Protective Gloves:USE LEATHER OR OTHER PROTECTIVE GLOVES IF HANDLING
BROKEN UNITS.

Eye Protection:SAFETY GLASSES, FACE SHIELD, OR GOGGLES FOR HANDLING
BROKEN OR DAMAGED PRODUCT.

Other Protective Equipment:NONE REQUIRED.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K =
UNKNOWN. N/P = NOT PROVIDED. N/R
= NOT RELEVANT. N/D = NOT
DETERMINED. N/E = NOT ESTABLISHED. SCBA = SELF CONTAINED BREATHING
APPARATUS.

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

HCC:Z4

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:>160.C, 320.F

M.P/F.P Text:POLYPROPYLENE

Decomp Temp:Decomp Text:NOT PROVIDED

Spec Gravity:LEAD, APPROX. 13

Appearance and Odor:SOLID UNIT: BATTERY: LEAD/LEAD OXIDE(INTERNAL):
GREY METALLIC SOLID; BROWN/GREY

Percent Volatiles by Volume:NONE

Corrosion Rate:NOT
PROVIDED

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

Stability Indicator/Materials to Avoid:YES
KEEP BATTERY CASE AWAY FROM STRONG OXIDIZERS.

Stability Condition to Avoid:NOT PROVIDED

Hazardous Decomposition Products:NONE

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

Ecological:NOT PROVIDED

===== Disposal Considerations

=====

Waste Disposal Methods:BATTERY PARTS MAY BE RECYCLED BY EPA PERMITTED SECONDARY LEAD SMELTING FACILITY OR DISPOSED OF AS HAZARDOUS WASTE PURSUANT TO RCRA REQUIREMENTS.

===== MSDS Transport Information =====

Transport Information:DOT DESCRIPTION: BATTERY, WET, NON-SPILLABLE, 8, UN2800, PG III. BATTERY EXEMPT FROM DOT REQUIREMENTS WHEN TESTED PER 49CFR173.159(D)

===== Regulatory Information =====
=====

SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:PROPOSITION 65 WARNING: THIS PRODUCT CONTAINS LEAD AND LEAD COMPOUNDS. LEAD AND LEAD COMPOUNDS ARE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. LEAD IS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS AND REPRODUCTIVE TOXICITY IN BOTH MALES AND FEMALES.

===== Other Information =====

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.