

DOUGLAS BATTERY MANUFACTURING CO -- DRY CHARGED BATTERY -- 6140-00-195-1315

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

Product ID: DRY CHARGED BATTERY

MSDS Date: 05/01/1991

FSC: 6140

NIIN: 00-195-1315

Status Code: A

MSDS Number: CKMBD

=== Responsible Party ===

Company Name: DOUGLAS BATTERY MANUFACTURING CO

Address: 500 BATTERY DRIVE

City: WINSTON-SALEM

State: NC

ZIP: 27107

Country: US

Info Phone Num: 336-650-7000

Emergency Phone Num: 800-368-4527

Preparer's Name: A.L. CONITOR

Chemtr

ec Ind/Phone: (800) 424-9300

CAGE: TO366

=== Contractor Identification ===

Company Name: CELL ENERGY INC

Address: 3190-B ORANGE GROVE AVE

Box: City: NORTH HIGHLANDS

State: CA

ZIP: 95660-5706

Country: US

Phone: 916-484-7974

Contract Num: SP0430-00-M-G833

CAGE: 1U269

Company Name: DOUGLAS BATTERY MANUFACTURING CO

Address: 500 BATTERY DRIVE

Box: City: WINSTON-SALEM

State: NC

ZIP: 27107

Country: US

Phone: 336-650-77245/7257

CAGE: TO366

Company Name: DOUGLAS BATTERY MFG CO

Address: 500 BATTERY DR

Box: 12159

City: WINSTON-SALE

M
State:NC
ZIP:27107
Country:US
Phone:800-368-4527
CAGE:63432

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

Ingred Name:LEAD
CAS:7439-92-1
RTECS #:OF7525000
= Wt:94.
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY
CAS:7440-36-0
RTECS #:CC4025000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC
CAS:7440-38-2
RTECS #:CG0525000
< Wt:1.
OSH
A PEL:0.01 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

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE EXPOSURE TO LEAD: CONSTIPATION,
VOMITING, BLUE LINE ON GUMS, WEAK WRIST OR ANKLES, WEIGHT LOSS,
YELLOWISH SKIN. CHRONIC EXPOSURE: T

IRE EASILY, LOSS OF APPETITE,
IRRITABILITY, METALLIC TASTE, INS OMNIA, TOXIC TO NERVOUS SYSTEM,
KIDNEYS AND REPRODUCTIVE SYSTEM.

Effects of Overexposure:1. CHRONIC EXPOSURE: TIRE EASILY, LOSS OF
APPETITE, IRRITABILITY, METALLIC TASTE, INSOMNIA, TOXIC TO NERVOUS
SYSTEM, KIDNEYS AND REPRODUCTIVE SYSTEM. 2. ACUTE: CONSTIPATION,
VOMITING, BLUE LINE ON GU MES, WEAK WRISTS OR ANKLES, WEIGHT LOSS,
YELLOWISH SKIN.

Medical Cond Aggravated by Exposure:HARMFUL EFFECTS OF LEAD ARE

INCREASED FOR A PERSON WITH DIETARY DEFICIENCIES IN CALCIUM, IRON
AND ZINC.

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

First Aid:LEAD/LEAD OXIDE EXPOSURE: INHALATION: REMOVE FROM EXPOSURE,
SEE PHYSICIAN. EYES: WASH EYES WITH COPIOUS QUANTITIES OF RUNNING
WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN: NOT A DIRECT
ROUTE O F ENTRY. INGESTION: SEE PHYSICIAN.

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

Flash Point Metho

d:CC

Flash Point:=357.2C, 675.F

POLYPRO CASE

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 COMPOUN DS AND FUMES.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:PICK UP AND CONTAINERIZE ALL BATT

ERY PARTS AND

MATERIALS. LIMIT PERSONAL EXPOSURE WITH GLOVES, EYE AND FACE
PROTECTION, AS NOTED ABOVE.

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

Handling and Storage Precautions:EXERCISE CAUTION IN HANDLING AND
STORAGE DUE TO WEIGHT OF UNITS.

Other Precautions:USE CAUTION WHEN FILLING UNITS WITH ELECTROLYTE
BATTERY ACID (DILUTE SULFURIC ACID) INCLUDING ACID RESISTANT
PLASTIC OR RUBBER GLOVES, EYE PROTECTION, APRON, BOOTS. MATERIAL
SAFETY DATA S

HEET FOR LEAD /ACID BATTERY APPLIES WHEN FILLED WITH
SULFURIC ACID ELECTROLYTE.

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

Respiratory Protection:IF PRODUCT IS INVOLVED IN A 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:LEATHER OR OTHER PROTECTIVE GLOVES

Eye Protection:SAFETY GLASSES, FACE SHIELD OR GOGGLES FOR HANDLING

BROKEN/DAMAGED PRODUCT.

Other Protective Equipment:NONE REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

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

HCC:N1

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

M.P/F.P Text:POLYPROPYLENE

Spec Gravity:LEAD APPROX 13

Appearance and Odor:LEAD/LEAD OXIDE: GREY METALLIC SOLID; BROWN/GREY
OXIDE.

Percent Volatiles by Volume:NONE

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

Stabi

lity Indicator/Materials to Avoid:YES

KEEP BATTERY CASE AWAY FROM STRONG OXIDIZERS.

Hazardous Decomposition Products:NONE

===== 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:DRY CHARGED BATTERY IS NOT REGULATED. O

NCE THE

BATTERY IS FILLED WITH ACID, IT BECOMES REGULATED AS: BATTERIES,
WET, FILLED WITH ACID, 8, UN2794 III.

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

SARA Title III Information:THIS PRODUCT CONTAINS TOXIC CHEMICALS
SUBJECT TO THE REPORING REQUIREMENTS UNDER SECTION 313 OF TITLE
III, & 40CFR 372 AND CA PROP 65.

State Regulatory Information:LISTED ON CALIFORNIA PROPOSITION 65: YES.

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