

BELL CITY BATTERY MFG INC -- DRY CHARGED BATTERY-NO ELECTROLYTE ADDED --  
6140-00-729-8974

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

Product ID:DRY CHARGED BATTERY-NO ELECTROLYTE ADDED

MSDS Date:10/01/1996

FSC:6140

NIIN:00-729-8974

Status Code:A

MSDS Number: CJJQM

=== Responsible Party ===

Company Name:BELL CITY BATTERY MFG INC

Address:915 S CHARLES ST

City:BELLEVILLE

State:IL

ZIP:62220-2605

Country:US

|

Info Phone Num:618-234-7272

Emergency Phone Num:618-234-7272/800-535-5053(INFOTRAC)

CAGE:0ABZ3

=== Contractor Identification ===

Company Name:BELL CITY BATTERY MFG INC

Address:915 S CHARLES ST

Box:City:BELLEVILLE

State:IL

ZIP:62220-2605

Country:US

Phone:618-234-7272

Contract Num:SP0430-99-M-AA22

CAGE:0ABZ3

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

Ingred Name:LEAD

CAS:7439-92-1

RTECS #:OF7525000

Minimum % Wt:92.

Maximum % Wt:93.

Other REC Limits:NIOSH: 0.100 MG/M3

OSH

A PEL:0.050 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  
= Wt:.2  
Other REC Limits:NONE RECOMMENDED  
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:0.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.010 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:.02  
Other REC Limits:  
NONE RECOMMENDED

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
= Wt:.06  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3

Ingred Name:CASE MATERIAL (POLYPROPYLENE 9003-07-0 AND HARD RUBBER)  
Minumum % Wt:6.  
Maxumum % Wt:8.  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET

ORGANS:NONE (HMIS). ACUTE -

INHALATION OF LEAD DUST OR FUME MAY CAUSE LUNGS AND UPPER RESPIRATORY TRACT IRRITATION. ACUTE INGESTION: MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA AND SEVERE CRAMPING. THIS MAY LEAD TO SYSTEMICTOXICITY AND MUST BE TREATED BY A PHYSICIAN. CHRONIC - ANEMIA, NEUROPATHY PARTICULARLY MOTOR NERVES, KIDNEY DAMAGE, REPRODUCTIVE PROBLEMS.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS OF

APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY

Medical Cond Aggravated by Exposure:LEAD AND ITS COMPOUNDS CAN

AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE, GARGLE, WASH NOSE AND LIPS, CONTACT PHYSICIAN. INGESTION: CONSULT PHYSICIAN. SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH WATER FOR 15 MINUTES, CONSULT PHYSICIAN.

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

Lower Limits:4.1

Upper Limits:74.2

Extinguishing Media:CO2,FOAM,DRY CHEMICAL

Fire Fighting Procedures:WEAR FULL BODY PROTECTIVE

CLOTHING&SELF-CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE AND FULL FACE PIECE.

Unusual Fire/Explosion Hazard:HIGHLY FLAM HYDROGEN GAS GENERATED DURING CHARGING/OPERATION. KEEP SPARK/SOURCE OF IGNITION AWAY FROM BATTERY.DON'T ALLOW METAL SIMULTANEOUSLY TO CON

TACT NEG&POS

TERMINALS. FOLLOW INSTRUCTION FOR INST ALLATION/SERVICE.MOLTEN METAL PRODUCES FUMES,VAPOR,DUST THAT MAY BE TOXIC & RESPIRATORY IRRITANT.

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

Spill Release Procedures:LEAD DUST SHOULD BE VACUUMED (USING HIGH EFFICIENCY PARTICULATE, HEPA, FILTER) OR WET SWEEPED. USE CONTROLS WHICH MINIMIZE FUGITIVE EMISSIONS. DO NOT USE COMPRESSED AIR. PLACE IN CLOSED CONTAINERS FOR DISPOSAL OR RECYCLING.

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Handling and Storage  
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Handling and Storage Precautions:STORE BATTERY IN COOL, DRY, WELL VENTILATED PLACE. SEPARATE FROM INCOMPATIBLE MATERIAL. STORE UNDER PROTECTION AGAINST WEATHER. KEEP AWAY FROM SPARKS. AVOID DAMAGE TO CONTAINER.

Other Precautions:PRECAUTIONARY LABELING: POISON, CAUSES BURNS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS

Ventilation:LOCAL EX

HAUST:NO. MECHANICAL(GENERAL):NO INFORMATION FOUND.

OTHER: NATURAL CONVECTION

Protective Gloves:RUBBER GLOVES WHEN FILLING ABATTERY

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equipment:ACID RESISTANT APRON OR FULL BODY PROTECTION WHEN FILLING BATTERY

Work Hygienic Practices:HANDLE CAUTIOUSLY TO AVOID SPILLS. MAKE SURE CAPS ARE TIGHT. AVOID CONTACT WITH INTERNAL COMPONENTS, WEAR PROTECTIVE CLOTHING WHEN FILLING/HANDLING BATTERIES.

Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:N1

Boiling Pt:>1380.C, 2516.F

Melt/Freeze Pt:=252.2C, 486.F

M.P/F.P Text:TO 680F

Spec Gravity:9.6 - 11.3

Evaporation Rate & Reference: