

BELL CITY BATTERY MFG INC -- DRY CHARGED BATTERY-NO ELECTROLYTE ADDED --
6140-00-836-1279

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

Product ID:DRY CHARGED BATTERY-NO ELECTROLYTE ADDED

MSDS Date:10/01/1996

FSC:6140

NIIN:00-836-1279

Status Code:A

MSDS Number: CLFBZ

=== 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: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:SP0430-01-M-FD84

CAGE:0ABZ3

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

Ingred Name:LEAD

CAS:7439-92-1

RTECS #:OF7525000

Minumum % Wt:92.

Maxumum % Wt:93.

Other REC Limits:100 UG/M3 NIOSH

OSHA PEL:50 UG/M3

AC

GIH TLV:150 UG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY
CAS:7440-36-0
RTECS #:CC4025000
= Wt:.2
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
Fraction by Wt: 0.003%
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.20 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CALCIUM
CAS:7440-70-2
RTECS #:EV8040000
= Wt:.02

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
= Wt:.06
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:POLYPROPYLENE (CASE MATERIAL)
CAS:9003-07-0
RTECS #:UD1842000

Ingred Name:HARD RUBBER (CASE MATERIAL)

Ingred Name:TOTAL CASE MATERIAL
Minumum % Wt:6.
Maxumum % Wt:8.

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION OF LEAD DUST OR FUME MAY
CAUSE IRRITATION OF UPPER RESPIRATORY TRACT AND LUNGS. ACUTE

INGESTION: MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA, AND SEVERE CRAMPING. THIS MAY LEAD RAP IDLY TO SYSTEMIC TOXICITY AND MUST BE TREATED BY A PHYSICIAN.

Effects of Overexposure:ACUTE: SYMPTOMS INCLUDE HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY. CHRONIC: ANEMIA, NEUROPATHY, PARTICULARLY MOTOR NERVES, K IDNEY DAMAGE, REPRODUCTIVE PROBLEMS.

Medical Cond Aggravated by Exposure:LEAD AND ITS COM POUNDS CAN

AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.

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===== 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.

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

Lower Limits:4.1%(H2 GAS)

Upper Limits:74.2%(H2 GAS)

Ex tin

guishing Media:CO2; FOAM; DRY CHEMICAL.

Fire Fighting Procedures:WEAR FULL BODY PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE AND FULL FACE PIECE.

Unusual Fire/Explosion Hazard:FLAMMABLE HYDROGEN IS GENERATED DURING CHARGING / OPERATION OF BATTERIES. KEEP SPARKS OR IGNITION SOURCES AWAY. AVOID METAL CONTACTING NEG. AND POS. TERMINALS OF CELLS / BATTERIES.FOLLOW MFG INSTRUCTI ONS FOR INSTALLATION AND SERVICE.

MOLTEN METALS PRODUCE FUME, VAPOR,DUST THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS.

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

Spill Release Procedures:LEAD DUST SHOULD BE VACUUMED (USING 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 =====

Handling and Storage Precautions:STORE BATTERY IN COOL DRY PLACE, W

ELL

VENTILATED. SEPARATE FROM INCOMPATIBLE MATERIAL. STORE UNDER PROTECTION AGAINST WEATHER. KEEP AWAY FROM SPARKS, AVOID DAMAGE TO CONTAINER .

Other Precautions:PRECAUTIONARY LABELING: POISON. CAUSES SEVERE BURNS.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS.

Ventilation:MECHANICAL (GENERAL): NO INFORMATION FOUND. OTHER: NATURAL CONVECTION.

Protective Gloves:USE RUBBER GLOVES WHEN FILLING BATTERY.

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equipment:WHEN FILLING BATTERIES USE ACID RESISTANT APRON OR FULL BODY PROTECTION.

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

Supplemental Safety and Health

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

HCC:Z7

Boiling Pt:>1380.C, 2516.F

B.P. Text:(760 MM HG)

Me

lt/Freeze Pt.=252.2C, 486.F

M.P/F.P Text:486F TO 680F

Spec Gravity:9.6 TO 11.3 (H2O=1)

Evaporation Rate & Reference:LESS THAN 1(BUT ACETAT=1

Appearance and Odor:BLUISH GRAY METAL; NO APPARENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, BASES, HALIDES, HALOGENATES, PEROXIDES, PERMANGANATE, NASCENT HYDROGEN

Stability Condition to Avoid:PROLONGED OVERCHARGE, SOURCES OF IGNITION, WATER DAMAGE.

Hazard

ous Decomposition Products:TEMPERATURES ABOVE MELTING POINT MAY
PRODUCE TOXIC FUME OR VAPOR.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:USED BATTERIES SHOULD BE RETURNED TO SMELTER,
DISPOSE OF TOXIC SUBSTANCES IN ACCORDANCE WITH APPROVED LOCAL,
STATE AND FEDERAL REQUIREMENTS. CONSULT STATE OR FEDERAL EPA.

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