

MARATHON BATTERY CO. -- BATTERY, STORAGE -- 6140-01-131-9696

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Product Identification
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Product ID: BATTERY, STORAGE

MSDS Date: 03/26/1990

FSC: 6140

NIIN: 01-131-9696

MSDS Number: BHXTZ

=== Responsible Party ===

Company Name: MARATHON BATTERY CO.

Address: 8301 IMPERIAL DRIVE

Box: 8233

City: WACO

State: TX

ZIP: 76714-8233

Country: US

Info Phone Num: 817-776-0650

Emergency Phone Num: 817-776-0650

CAGE: D

O446

=== Contractor Identification ===

Company Name: MARATHON BATTERY COMPANY

Address: 8301 IMPERIAL DRIVE

Box: 8233

City: WACO

State: TX

ZIP: 76710

Phone: 301-321-5200

CAGE: DO446

Company Name: MARATHON POWER TECHNOLOGIES CO

Address: 8301 IMPERIAL DR

Box: City: WACO

State: TX

ZIP: 76712-6588

Country: US

Phone: 254-741-5405

CAGE: 74025

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Composition/Information on Ingredients
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Ingred Name: CADMIUM (SARA III)

CAS: 7440-43-9

RTECS #: EU9800000

OSHA PEL: SEE 1910.1027

ACGIH TLV: 0.01 MG/M3

DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
OSHA PEL:0.1 MG/M3 (CD FUME)
ACGIH TLV:0.05 MG/M3 (CD FUME)

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NICKEL HYDROXIDE (SARA III)
CAS:12054-48-7
RTECS #:QR7040000
Other REC Limits
:NONE ESTABLISHED
OSHA PEL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:OVEREXPOSURE TO VAPORS MAY CAUSE
IRRITATION OF MUCOUS MEMBRANES, DRYNESS OF MOUTH AND THROAT,
HEADACHE, NAUSEA AND DIZZINESS.CHRONIC EFFECTS OF CADMIUM COMPOUNDS
FROM LO

W LEVEL EXPOSURE IN THE AIR MAY CAUSE IRREVERSIBLE LING INJURY, KIDNEY DISEASE AND OTHER ADVERSE EFFECTS.

Explanation of Carcinogenicity: THIS IS NOT LIKELY TO OCCUR BECAUSE OF BATTERY, ALTHOUGH NICKEL & CADMIUM ARE LISTED AS CARCINOGENIC BY NTP & IARC.

Effects of Overexposure: SEE "HEALTH HAZARDS".

Medical Cond Aggravated by Exposure: EXPOSURE TO MISTS MAY CAUSE LUNG DAMAGE AND AGGRAVATE PULMONARY CONDITIONS.

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

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rst Aid: EYES/SKIN: FLUSH WITH PLENTY OF WATER. SEE DOCTOR IMMEDIATELY. REMOVE CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMIT. GIVE MILK OR WATER, FOLLOWED BY 2 OUNCES OF MILK OF MAGNESIA (NO CARBONATES). SEE DOCTOR IMMEDIATELY.

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

Flash Point: NONE

Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT A

ND SELF-CONTAINED BREATHING APPARATUS WITH FULL PIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard: CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION. CASDMIUM FUMES OR VAPORS ARE TOXIC AND CAN CAUSE DEATH.

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

Spill Release Procedures: BATTERY AND CELL CASES WILL NORMALLY CONTAIN MATERIALS OF CONCERN. USE INDUSTRIAL ABSORBENT TO COLLECT LIQUID POTASSIUM HYDROXIDE.

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

Handling and Storage Precautions: DO NOT INVERT. AVOID BREAKING CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE CELL OR BATTERY.

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

Respiratory Protection: NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK AS APPROPRIATE FOR EXPOSURE OF CONCERN WHEN TLV IS EXCEEDED.

Ventilation: GENERAL (MECHANICAL) VENTILATION

. LOCAL EXHAUST IN CONFINED AREAS.

Protective Gloves:RUBBER

Eye Protection:GOGGLES

Other Protective Equipment:RUBBER APRON AND BOOTS.EYES WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:B1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID BATTERY

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

Stability Indicator/Mat

erials to Avoid:YES

STRONG OXIDIZING AGNETS, NITRATES, NITRIC ACID.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE STATED.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL ENVIRONMENTAL REGUALTIONS.

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