

MARATHON BATTERY CO. -- 39411-003 -- 6140-01-086-3440

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Product Identification
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Product ID:39411-003
MSDS Date:07/15/1999
FSC:6140
NIIN:01-086-3440
MSDS Number: BHBVC
=== 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:817-776-0650/800-424-9300(CHEMTRE
C)
Preparer's Name:TERRY G. MESSING
Chemtre Ind/Phone:(800)424-9300
CAGE:DO446
=== 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
Contract Num:SP0430-99-D0331-0002
CAGE:74025

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:NONE SPECIFIED
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:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Other REC Limits:NONE SPECIFIED
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
CAS:21041-95-2
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3 (CD FUME)
ACGIH TLV
:0.05 MG/M3 (CD FUME)

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

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 225 MG/KG
Routes of Entry: Inhalation:NO Sk

in:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS OF USE NO EXPOSURE TO HAZARDOUS COMPONENTS EXIST. IF INCINERATED ,MAY CAUSE IRRITATION TO RESPIRATORY SYSTEM, FUMES WILL ALSO IRRITATE EYES, ALKALI IS CORROSIVE TO ALL TISSUE S (ACUTE). CHRONIC:MAY CAUSE LUNG INJURY AND KIDNEY DYSFUNCTION.

Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED UNDER NTP AND IARC.

Effects of Overexposur

e:EYES:SEVERE IRRITATION, PAIN, BURNS, VISION PROBLEMS. SKIN: IRRITATION, POSSIBLE CHEMICAL BURNS. INHALATION: SEVERE IRRITATION, COUGHING, SWEATING, CHILLS, FEVER, KIDNEY DISORDERS. INGESTION: CORROS IVE TO DIGESTIVE SYSTEM.

Medical Cond Aggravated by Exposure:IF INCNERATED, INDIVIDUALS WITH PRE-EXISTING RESPIRATORY DISORDERS,M PROSTATE, LIVER, KIDNEY AND VISION PROBLEMS MAY BE AT INCREASED RISK.

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

First

Aid:IF CONTACT WITH POTASSIUM HYDROXIDE OCCURS, FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN. SEE DOCTOR. IF INHALATED, REMOVE TO FRESH AIR AND CONTACT PHYSICIAN IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. E

VACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS SUCH AS CADMIUM AND NICKEL FUMES.

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

Spill Release Procedures:VENTILATE AREA. EVACUATE PERSONNEL. WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN INERT INDUSTRIAL ABSORBENT AND PLACE IN DOT-APPROVED CONTAINERS FOR DISPOSAL

. WASH AREA WITH LARGE AMOUNTS OF WATER.
Neutralizing Agent:5% ACETIC ACID SOLUTION.

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

Other Precautions:DO NOT BREAK OPEN OR INCINERATE BATTERIES. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING.

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Exposure Controls/Personal Protection
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Respiratory Protection:NONE UNDER NORMAL USE. WEAR NIOSH-APPROVED MIST MASK WHEN HANDLING LIQUID OR WHEN THERE IS A DANGER FOR INHALING FUMES..

Ventilation:LOCAL EXHAUST WHEN HANDLING THE LIQUID IN THE BATTERY.

Protective Gloves:RUBBER GLOVES WHEN HANDLING ELECTROLYTE OR BROKEN BATTERIES..

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD WHEN HANDLING BROKEN BATTERIES.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING. LAUNDRY CONTAMINATED CLOTHING. DISCARD CONTAMINATED SHOES.

Supplemental Safety and Health

UNDER NORMAL USE THE ITEM IS NON-HAZARDOUS.

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Physical/Chemical Properties
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HCC:Z7

Solubility in Water:COMPLETE

Appearance and Odor:SOLID BATTERIES, 12 VOLT.

Percent Volatiles by Volume:UNKNON

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Stability
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and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: SEND TO RECLAIMING CENTER FOR RECLYING OR REUSE,
IF POSSIBLE. OR SEND TO LICENSED HAZARDOUS TREATMENT OR DISPOSAL
SITE FOR DISPOSITION UNDER
APPLICABLE FEDERAL, STATE AND LOCAL
REGULATIONS. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL
REGULATIONS.

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

Transport Information: PER MSDS, FOR TRANSPORTATION PURPOSE THESE
BATTERIES ARE NON-HAZARDOUS AND NOT SUBJECT TO ANY OF THE
PROVISIONS OF 49 CFR PARTS 170-189.

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