

MARATHON POWER TECHNOLOGIES -- NICKEL CADMIUM BATTERY -- 6140-01-212-3684

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

Product ID:NICKEL CADMIUM BATTERY

MSDS Date:11/01/1995

FSC:6140

NIIN:01-212-3684

MSDS Number: BYTLS

=== Responsible Party ===

Company Name:MARATHON POWER TECHNOLOGIES

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:76714-8233

Country:US

Info Phone Num:817-776-0650

Emergency Phon

e Num:817-776-0650,800-424-9300(CHEMTREC)

CAGE:74025

=== Contractor Identification ===

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

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

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:0.2 MG CD/M3  
ACGIH TLV:0.05 MG CD/M3 9293

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; 9293

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:POTASSIUM HYDROXIDE (SARA III)  
CA  
S:1310-58-3  
RTECS #:TT2100000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:UNKNOWN Skin:UNKNOWN Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS OF USE, NO  
EXPOSURE TO HAZARDOUS COMPOUNDS EXISTS. IF INCINERATED, INHALATION  
OF FUMES MAY C  
AUSE RESPIRATORY SYSTEM IRRITATION, FUMES WILL  
IRRITATE EYE TISSUE (ACUTE); CHRONIC EXPOSURE MAY CAUSE KIDNEY  
DYSFUNCTION AND LUNG INJURY.  
Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED AS  
POTENTIAL CARCINOGENS BY NTP, IARC AND OSHA.  
Effects of Overexposure:IF INCINERATED, CHEST PAIN, COUGHING, SWEATING,  
CHILLS, SHORTNESS OF BREATH AND WEAKNESS ALONG WITH POSSIBLE EYE  
IRRITATION.  
Medical Cond Aggravated by Exposure:IF INCINERATED, RESPIRATORY SYSTEM  
DISORDE

RS, PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS, VISION PROBLEMS.

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

First Aid:IF CONTACT WITH POTASSIUM HYDROXIDE ELECTROLYTE, FLUSH WITH WATER FOR 15 MINUTES AND CONTACT PHYSICIAN; IF INHALED, REMOVE FROM EXPOSURE AND CONTACT PHYSICIAN.

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

Flash Point:NONE.

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fi

ghting Procedures:FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

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

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

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:POTASSIUM HYDROXIDE S

OLUTION WEAR A DUST OR MIST  
MASK.

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN HANDLING THE  
LIQUID.

Protective Gloves:RUBBER GLOVES FOR HANDLING LEAKERS.

Eye Protection:EYE GOGGLES AND FACE SHIELD FOR LEAKERS.

Other Protective Equipment:FOR HANDLING INGREDIENTS, WEAR CLOTHING TO  
MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

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

HCC:B1

Appearance and Odor:BATTERY. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS  
EXPENSE TO MARATHON POWER TECHNOLOGIES. DISPOS  
AL SHALL BE BY  
APPROVED METHODS.

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