

MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS -- 28695 001 -- 6140-01-074-7150

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

Product ID:28695 001

MSDS Date:03/26/1990

FSC:6140

NIIN:01-074-7150

MSDS Number: BMWYC

=== Responsible Party ===

Company Name:MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:75714-8233

Country:US

Info Phone Num:254-776-0650

Emer

gency Phone Num:254-776-0650/800-424-9300(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  
Other REC Limits:NONE SPECIFIED  
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  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

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 II  
I)  
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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:LUNG INJURY,KIDNEY  
DISEASE,VOMITING,DIAREEA,ABDOMINAL CRAMPSSKIN SENSITIVITY,DAMAGE TO  
UPPER RESPIRATOR T TRACT.  
Effect

s of Overexposure:IRRATION OF MUCOUS MEMBRANE,DRYNESS OF THE MOUTH AND THROAT,HEADACHE,NAUSEA AND DIZZNESS.

Medical Cond Aggravated by Exposure:NONE GIVEN

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

First Aid:EYES;FLUSH WITH WATER FOR 15 MINUTES, SKIN: WASH WITH SOAP AND WATER. INGESTION : IF PATIENT IS CONSCIOUS GIVE LARGE QUANTIES OF WATER, DO NOT INDUCE VOMITING, GET EMERGENCY MEDICAL ATTENTION.

===== Fire Fighting Measures =====  
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Flash Point:NONE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:APPROPIATE FOR SUROUNDING FIRES.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE PROPER PROTECTIVE EQUIPMENT AND SELF CONTAINED BREATHING APPERAUS WITH FULL FACEE PIECE OPERATED IN POSITIVE PRESSURE MODE

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

===== Accidental Release Measures =====  
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Spill Release Procedures:USE INDUSTRIAL ABSORBENTS TO TO COLLECT LIQUID POTASSIUM HYDROXIDE.

Neutralizing Agent:NONE GIVEN

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

Handling and Storage Precautions:DO NOT INVERT, AVOID BREAKING,CRUSHING OR OTHERWISE DESTRIYING THE PHYSICAL INTERGITY OF THE CELL OR BATTERY

Other Precautions:NONE

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

Respiratory Protection:NONE REQUIRED DUR

ING NORMAL OPERATIONS.  
Ventilation:LOCAL  
Protective Gloves:RUBBER GLOVES  
Eye Protection:EYE GOGGLES, FACE SHIELD  
Other Protective Equipment:PROTECTIVE CLOTHING TO MINIMIZE SKIN  
PROTECTION  
Work Hygienic Practices:PRUDENT  
Supplemental Safety and Health  
NONE GIVEN

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

HCC:C2  
Boiling Pt:B.P. Text:765F,407C  
Vapor Pres:NA  
Vapor Density:NA  
Spec Gravity:8.642  
Evaporation Rate & Reference:NA  
Solubility in Water:NO  
Appearance and O  
dor:SSILVER COLOR

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

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

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

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SHIPPERS  
EXPENSE TO MARATHON TECHNOLOGIES. DISPOSAL SHALL BE BY APPROVED  
METHODS

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