

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  
Eme  
rgency 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 I  
II)  
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

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===== Hazards Identification =====  
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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.  
Effec

ts 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 =====

Flash Point:NONE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:APPROIATE 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. CADIUM FUMES OR VAPORS ARE TOXIC AND CAN CAUSE DEATH.

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

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 DU

RING 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

Odor: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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