

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 =====

=====

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 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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.