

MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS -- NICKEL CADMIUM BATTERY --
6140-00-712-3053

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

Product ID:NICKEL CADMIUM BATTERY

MSDS Date:05/20/1997

FSC:6140

NIIN:00-712-3053

MSDS Number: BWDXQ

=== 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:817-776-0650

Emergency Phone Num:817-776-0650

CAGE:74025

=== Contractor Identification ===

Company Name:ALJEDA CORP

Address:820 SOUTH CALIFORNIA STREET

Box:City:STOCKTON

State:CA

ZIP:95206

Country:US

Phone:209-943-2428

CAGE:0BJY4

Company Name:AVIARMS SUPPORT CORP.

Box:UNKNOW

CAGE:58985

Company Name:CLARK, CHARLES V. CO INC

Address:7587 CLYO RD

Box:City:DAYTON

State:OH

ZIP:45459-4826

Country:US

Phone:513-435-3000

Contract Num:SP0430-99-M-AF68

CAGE:56742

Company Name:CLARK, CHARLES V. CO

INC
Address:7587 CLYO RD
Box:City:DAYTON
State:OH
ZIP:45459-4826
Country:US
Phone:513-435-3000
Contract Num:SP0430-99-M-AQ01
CAGE:56742
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
Company Name:VALUE INDUSTRIES INC
Address:2000 AVE G SUITE 802
Box:260961
City:PLANO
State:TX
ZIP:75026-0961
Country:US
Phone:214-596-9398
CAGE:0KT99

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Composition/Information on Ingredients
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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)
CAS: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:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:

NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS: KIDNEY AND LIVER.

ACUTE- UNDER NORMAL CONDITIONS OF USE, NO EXPOSURE TO HAZARDOUS COMPONENTS EXISTS. IF INCINERATED, INHALATION OF FUMES MAY CAUSE RESPIRATORY SYSTEM IRRITATION. FUMES WILL ALSO IRRITATE EYE TISSUE; CHRONIC- CHRONIC EXPOSURE MAY CAUSE KIDNEY DYSFUNCTION AND LUNG INJURY.

Explanation of Carcinogenicity:CADMIUM, NICKEL AND THEIR COMPOUNDS ARE LISTED AS CARCINOGENS BY NTP

AND IARC. CADMIUM IS REGULATED BY

OSHA. (PER MANUFACTURER, THE CARCINOGENICITY HAS NOT BEEN ESTABLISHED FOR BATTERIES BY NTP, IARC , OR OSHA.)

Effects of Overexposure:IN 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 DISORDERS, PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS, & VISION PROBLEMS.

===== First

Aid Measures =====

First Aid:IF CONTACT WITH POTASSIUM HYDROXIDE ELECTROLYTE, FLUSH WITH WATER FOR 15 MIN. 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 Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APP

ARATUS 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:WEAR A DUST OR MIST MASK.

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

Protective Gloves:RUBB

ER 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. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:B1

Solubility in Water:50% KOH

Appearance an

d Odor:BATTERY. NO ODOR.

===== Stability 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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO A PERMITT

ED TREATMENT, STORAGE, DISPOSAL FACILITY

(TSDF). DISPOSAL SHALL BE BY APPROVED METHODS.

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

Transport Information:BATTERY, WET FILLED WITH ALKALI, UN2795, PG III.

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