

MARATHON POWER TECHNOLOGIES -- BATTERY, STORAGE -- 6140-00-431-6805

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Product Identification
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Product ID: BATTERY, STORAGE

MSDS Date: 12/09/1992

FSC: 6140

NIIN: 00-431-6805

MSDS Number: BSDFJ

=== Responsible Party ===

Company Name: MARATHON POWER TECHNOLOGIES

Address: 8301 IMPERIAL DRIVE

Box: 8233

City: WACO

State: TX

ZIP: 75714-8233

Country: US

Info Phone Num: 817-776-0650

Emergency Phone Num: 800-4

24-9300 (CHEMTREC)

Preparer's Name: DSCR-VBA

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

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Composition/Information on Ingredients
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Ingred Name: CADMIUM (SARA III)

CAS: 7440-43-9

RTECS #: EU9800000

OSHA PEL: 0.1MG/M3 FUME; 0.2DUST

ACGIH TLV: 0.05 MG/M3 DUST; 9192

EPA Rpt Qty: 10 LBS

DOT Rpt Qty: 10 LBS

Ingred Name: CADMIUM HYDROXIDE

CAS:21041-95-2
OSHA PEL:0.2 MG CD/M3
ACGIH TLV:0.05 MG CD/M3

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:NICKEL HYDROXIDE (SARA III)
CAS:12054-48-7
RTECS #:QR7040000
OSHA PEL:0.1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
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 =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:IF SEAL BROKEN, CONTACT WITH CONTENT
MAY CAUSE IRRITATION OF THE MUCOUS MEMBRANES, DRYNESS OF MOUTH AND
THROAT, HEADACHE, NAUSEA AND DIZZINESS. INHALATION MAY BE HARMFUL
TO THE LUNG TISSUES.. CHRONIC: LOW LEVEL EXPOSURE IN AIR MAY CAUSE
IRREVERSIBLE LUNG INJURY, KIDNEY DISE
ASE AND OTHER ADVERSE EFFECTS.
INGESTION MAY CAUSE NAUSEA, VOMITING, DIARRHEA.
Explanation of Carcinogenicity:CONTAINS C [7440-43-9] WHICH IS
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
Effects of Overexposure:IF SEAL BROKEN CONTACT WITH INGREDIENTS MAY
CAUSE SKIN SENSITIVITY AND ALLERGIC SKIN RASHES. INHALATION OF
AIRBORNE DUST OR MISTS MAY CAUSE DAMAGE TO UPPER RESP TRACT AND
EVEN TO LUNG TISSUES WHICH CO ULD PRODUCE CHEMICAL PNEUMONIA. THIS
MATERIAL I

S DESTRUCTIVE TO SKIN TISSUES, EYE TISSUES AND MOUTH,
THROAT, STOMACH TISSUES.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH WITH WATER 15 MIN, HOLD LIDS OPEN. SKIN: WASH WITH
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE
REUSE. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING IF
NECESSARY. INGESTION: DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES

OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. NOTHING BY MOUTH
IF UNCONSCIOUS.

===== 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 APPARATUS WITH FULL
FACE-PIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDIZERS
MAY CAUSE

FIRE OR EXPLOSION. CADMIUM FUMES OR VAPORS 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: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:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE
NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR
ALKALINE DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL.

Ventilation:ADEQUATE LOCAL EXHAUST VENTILATION WHEN HANDLING THE LIQUID
IN THE BATTERY.

Protective Glov

es:RUBBER GLOVES.

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

THE CONTRACTING TECHNICAL DATA FILE INDICATE THIS BATTERY IS NICKEL-CADMIUM, SEALED CELL, SIZE C.

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

HCC:Z5

Appearance and Odor:BATTERY

, 1.2 VOLTS, ALKALINE. HEIGHT=1.959 IN.

DIAMETER=1.034 IN.

===== 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 SPECIFIED BY MANUFACTURER.

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

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

TO MARATHON POWER TECHNOLOGIES. DISPOSAL SHALL BE BY APPROVED METHODS.

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