

MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS -- BATTERY, STORAGE, P/N 19205-001  
-- 6140-00-712-3053

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

Product ID: BATTERY, STORAGE, P/N 19205-001

MSDS Date: 12/09/1992

FSC: 6140

NIIN: 00-712-3053

MSDS Number: BNMNT

=== Responsible Party ===

Company Name: MARATHON POWER TECHNOLOGIES, BATTERY PRODUCTS

Address: 8301 IMPERIAL DRIVE

Box: 8233

City: WACO

State: TX

ZIP: 75714-823

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Country: US

Info Phone Num: 254-776-0650

Emergency Phone Num: 254-776-0650/800-424-9300(CHEMTREC)

Preparer's Name: B MUILEE

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: HOOSIER INDUSTRIAL SUPPLY

Address: 1223 CHICAGO AVE

Box: City: GOSHEN

State: IN

ZIP: 46527-0929

Country: US

Phone: 219-533-8565

CAGE: 0RCD8

Company Name: MARATHON POWER TECHNOLOGIES CO

Adresse

ss: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 =====

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 Q  
ty: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 HYDROX

IDE (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

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===== 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:NOT A HEALTH HAZARD UNDER NORMAL  
CONDITIONS OF USE. INGREDIENTS MAY CAUSE: EYES: DAMAGE. SKIN:  
ALLERGIC EFF  
ECTS, DAMAGE. INHALATION: HARMFUL OR FATAL, IRRITATION,  
NAUSEA, DIZZINESS, LUNG INJURY, KIDNE Y DISEASE, RESPIRATORY SYSTEM  
AND LUNG DAMAGE. INGESTION: BURNS TO MOUTH, THROAT, STOMACH.  
NAUSEA, VOMITING, DIARRHEA.  
Explanation of Carcinogenicity:CADMIUM, NICKEL AND THEIR COMPOUNDS ARE  
LISTED AS CARCINOGENS BY NTP AND IARC. CADMIUM IS REGULATED BY  
OSHA.  
Effects of Overexposure:EYES: IRRITATION, DAMAGE. SKIN: SENSITIVITY AND  
ALLERGIC SKIN RASHES, DAMAGE. INHALATION: IRRITATIO  
N OF MUCOUS  
MEMBRANES, DRYNESS OF MOUTH AND THROAT, HEADACHE, NAUSEA,  
DIZZINESS, LUNG INJURY, KIDNEY DISEASE, DEATH. INGESTION: BURNS TO  
MOUTH, THROAT, STOMACH, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL  
CRAMPS.  
Medical Cond Aggravated by Exposure:NOT A PROBLEM UNDER NORMAL  
CONDITIONS OF USE. PERSON WITH PRE-EXISTING DISEASE INVOLVING THE  
EYES, SKIN, OR RESPIRATORY SYSTEM MAY BE AT INCREASED RISK FROM  
EXPOSURE TO INGREDIENTS IN THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP  
AND WATER. INHALATION: MOVE TO FRESH AIR. RESTORE BREATHING IF  
NECESSARY. GET ME DICAL ATTENTION. INGESTION: DO NOT INDUCE  
VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE  
MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point:NONE.  
Extinguishin

g 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 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: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. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

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

Protective Gloves:RUBBER 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. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:B1

Melt/Freeze Pt:M.P/F.P Text:321F CD

Solubility in Water:52% KOH

Appearance and Odor:BATTERY. NO ODOR.

===== Stability and Reac

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

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