

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

Product ID:39645-002 NICAD BATTERY

MSDS Date:11/18/1996

FSC:6140

NIIN:01-060-6855

MSDS Number: BNWRQ

=== Responsible Party ===

Company Name:MARATHON POWER TECHNOLOGIES

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:76714-8233

Country:US

Info Phone Num:817-776-0650

Emergency Phone Num:817-776-0650

CAGE:74025

=== Contractor Identification ==

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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:NOT ESTABLISHED.

AC

GIH TLV:NOT ESTABLISHED.

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 III)
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 M
G/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic: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 (ACUTE); CHRONIC EXPOSURE MAY CAUSE KIDNEY
DYSFUNCTION AND LUNG INJURY.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:IF INCINERATED, CHEST PAIN, COUGHING, CHILLS,
SHORTNESS OF BREATH AND WEAKNESS ALONG WITH POSSIBLE EYE
IRRITATION.
Medical Cond Aggravated by Exposure:IF INCINERATED, RESPIRATORY SYSTEM
DISORDERS, LIVER AND KIDNEY

DISORDERS, VISION PROBLEMS.

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

First Aid:IF CONTACT WITH POTASSIUM HYDROXIDE ELECTROLYTE, FLUSH WITH WATER FOR 15 MINUTES AND CONTACT PHYSICIAN. IF INHALED, REMOVE FORM EXPOSURE AND CONTACT PHYSICIAN.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDANTS MAY CAUSE FIRE OR EXPLOSION. CADMIUM AND NICKEL FUMES ARE TOXIC AND CAN CAUSE DEATH.

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

Spill Release Procedures:BATTERY AND CELL CASE WILL NORMALLLY CONTAIN MATERIALS OF CONCERN. USE INDUSTRIAL ABSORBANT TO COLLECT LIQUID POTASSIUM HYDROXIDE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT INGEST. AVOID CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE CELL OR BATTERY.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WHEN HANDLING THE LIQUIDS IN THE BATTERY WEAR A DUST OR MIST MASK.
Ventilation

:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS
REQUIRED TO MAINTAIN EXPOSURE LEVELS.
Protective Gloves:RUBBER GLOVES WHEN HANDLING LIQUID
Eye Protection:EYE GOGGLES WITH FACE SHIELD.
Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.
Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.
Supplemental Safety
and Health
PER MANUFACTURER, BATTERY IS DRY.

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

HCC:N1
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:NOT GIVEN
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:INSOLUBLE
Appearance and Odor:SEALED BATTERY

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AG
ENTS, NITROGEN, 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 A PERMITTED TREATMENT, STORAGE, DISPOSAL FACILITY.
DISPOSAL SHALL BE BY APPROVED METHODS.

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