

MARATHON BATTERY CO. -- 18191-011 BATTERY,STORAGE -- 6140-00-435-0435

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Product Identification  
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Product ID:18191-011 BATTERY,STORAGE

MSDS Date:03/26/1990

FSC:6140

NIIN:00-435-0435

MSDS Number: BDYVS

=== Responsible Party ===

Company Name:MARATHON BATTERY CO.

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:76714-8233

Country:US

Info Phone Num:817-776-0650

Emergency Phone Num:8

17-776-0650/800-424-9300(CHEMTREC)

Preparer's Name:T. MESSING

CAGE:DO446

=== Contractor Identification ===

Company Name:HAYNES ENTERPRISE

Address:1930-B W CARDINAL DRIVE

Box:4134

City:BEAUMONT

State:TX

ZIP:77705

Country:US

Phone:409-842-5709

CAGE:1GF04

Company Name:MARATHON BATTERY COMPANY

Address:8301 IMPERIAL DRIVE

Box:8233

City:WACO

State:TX

ZIP:76710

Phone:301-321-5200

CAGE:DO446

Company Name:MARATHON POWER TECHNOLOGIES CO

Address:8301 IMPERIAL DR

Box:City:WACO

State:TX

ZIP:76712-6588

Countr

y:US  
Phone:254-741-5405  
CAGE:74025

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Composition/Information on Ingredients  
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Ingred Name:CADMIUM AND CADMIUM HYDROXIDE (AS ELECTRODE)  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.2 MG/M3 AS CD  
ACGIH TLV:0.05 MG/M3 AS CD

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 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: C

ORROSIVE TO ALL BODY TISSUES.

CONTACT MAY CAUSE SEVERE IRRITATION AND BURNS. INHALATION MAY CAUSE MUCOUS MEMBRANE IRRITATION, LUNG TISSUE DAMAGE, CHEMICAL PNEUMONIA AND CENTRAL NERVOUS SYSTEM EFFECTS. CHRONIC: IRREVERSIBLE LUNG INJURY, KIDNEY DISEASE, OTHER ADVERSE EFFECTS.

Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED UNDER IARC AND NTP.

Effects of Overexposure:EYES/SKIN: IRRITATION, SEVERE BURNS, SKIN ULCERATION. INHALATION: UPPER RESPIRATORY SYSTEM IRRITATION,

HEADACHE, NAUSEA, DIZZINESS. INGESTION: DIGESTIVE TRACT IRRITATION AND BURNING SENSATION, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL CRAMPS.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL

ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. GET MEDICAL ATTENTION. INGESTION: DONOT INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION. CADMIUM FUMES OR VAPORS ARE TOXIC AND CAN CAUSE DEATH.

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

Spill Release Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES. VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. NEUTRALIZE CAUTIOUSLY. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

Neutralizing Agent:5% ACETIC ACID SOLUTION.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:DO NOT INVERT BATTERIES. AVOID BREAKING, CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE BATTERY. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR FOR CAUSTIC GASES OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN WHEN HANDLING THE LIQUID IN THE BATTERY.

Ventilation:NO SPECIAL REQUIREMENT, HOWEVER, USE LOCAL EXHAUST VENTILATION WHEN HANDLING THE LIQUID IN THE BATTERY.

Protective Gloves:RUBBER GLOVES WHEN HANDLING LIQ. IN BATT

Eye Protection:GOGGLES/FACESHIELD WHEN HANDLING LIQUID.

Other Protec

tive Equipment:PROTECTIVE CLOTHING WHEN HANDLING THE LIQUID IN THE BATTERY. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health  
NONE.

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

HCC:Z5

Solubility in Water:52% (KOH)

Appearance and Odor:CAUSTIC ELECTROLYTE IN BATTERY CASE.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products:METAL OXIDE FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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