View NSN Online: https://aerobasegroup.com/nsn/6140-01-114-1219

Product ID:BATTERY, STORAGE MSDS Date:03/26/1990 FSC:6140 NIIN:01-114-1219 MSDS Number: BKCJD === Responsible Party === Company Name: MARATHON POWER TECHNOLOGIES BATTERY PRODUCTS 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 === 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

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

Ingre

d Name:CADMIUM HYDROXIDE Other REC Limits:NONE SPECIFIED OSHA PEL:0.1 MG/M3 (CD FUME) ACGIH TLV:0.05 MG/M3 (CD FUME)

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:1 MG/M3 AS NI 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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES, NOSE AND THROAT.DRYNESS OF THROAT,MOUTH,NAUSEA. CHRONIC: REPEATED CONTACT CAUSES IRRITATION AND SKIN BURNS.
REPEATED EXPOSURE TO MIST MAY
CAUSE DAMAGE TO UPPER RESPIRATORY TR ACT, CAN DAMAGE SKIN,EYE,MOUTH,THROAT AND STOMACH TISUES. CADMIUM COMPOUNDS CAN CAUSE LUNG AND KIDNEY INJURIES.
Explanation of Carcinogenicity:NICKEL AND CADMIUM COMPOUNDS ARE LISTED AS ANTICIPATED CARCINOGENS BY NTP & EPA.
Effects of Overexposure:ALKALI VAPORS MAY CAUSE IRRITATION OF EYES, NOSE AND THROAT. BREATHING OF MIST MAY PRODUCE RESPIRATORY

DIFFICULTY. CONTACT WITH EYES AND SKIN CAUSES BURNS & TIS

SUE

DAMAGE. POTASSIUM HYDROXIDE IS A COR ROSIVE CHEMICAL. OVEREXPOSURE TO CADMIUM& ITS COMP'DS MAY CAUSE DAMAGE TO KIDNEYS AND LUNGS. Medical Cond Aggravated by Exposure:PULMONARY, LUNGS, KIDNEYS AND SKIN DISEASES.

First Aid: FLUSH CONTACTED AREA WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND GET MEDICAL ATTENTION. IF SWALLOWED, GIVE LARGE VOLUMES OF WATER. DO NOT INDU CE VOMITING. OBT AIN MEDICAL ATTENTION. EYEWASH AND SHOWER STATIONS SHOULD BE AVAILABLE. Flash Point:NONE Extinguishing Media:NONCOMBUSTIBLE. FOR SURROUNDING FIRE USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. **Unusual Fire** /Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. Spill Release Procedures: SPILL-ABSORB WITH NEUTRAL ABSORBANT AND WASH RESIDUE WITH FIVE TO SIX VOLUMES OF WATER. Neutralizing Agent: USE NEUTRAL ABSORBANTS. Handling and Storage Precautions: STORAGE-STORE AWAY FROM REACTIVE MATERIALS, OPEN FLAMES A ND SOURCES OF IGNITION. Other Precautions: INDUSTRIAL TYPE NEUTRAL ABSORBANT HOULD BE KEPT IN SAME GENERAL AREA FOR EMERGENCY USE. WASH HANDS THOROUGHLY AFTER HANDLING TERMINALS INORDER TO AVOID INGESTION OF CADMIUM, NICKEL AND THEIR COMPOUNDS .

Respiratory Protection:RESPIRATOR REQUIRED WHEN PEL IS EXCEEDED OR EMPLOYEE WITNESSES RESPIRATORY IRRITATION. Ventilation:WHEN PEL IS EXCEEDED LOCAL EXHAUST IS PREFERRED

. USE ADEQUATE VENTILATION TO MAINTAIN EXPOSURE BELOW PEL. Protective Gloves: ALKALI RESISTANT Eye Protection: CHEMICAL SAFETY GOGGLES/FACE SHIELD Other Protective Equipment: ALKALI-RESISTANT APRONS, BOOTS AND PROTECTIVE CLOTHING. Work Hygienic Practices: GOOD PERSONAL HYGIENE AND WORK PRACTICES ARE MANDATORY. Supplemental Safety and Health AVOID PROLONGED OVERCHARGE IN CONFINED AREAS. HCC:B1 Boiling Pt:B.P. Text:1322 F,717C Spec Gravity:2.044(KOH) pH:ALKALI Appearance and Odor: BATERY, WET; FILLED WITH ALKALI

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS AND ACIDS. Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION Hazardous Decomposition Products:ALKALI FUMES AND CADMIUM & NICKEL

OXIDE FUMES.

Waste Disposal Method

s:PLACE IN ALKALI-RESISTANT CONTAINERS. DISPOSAL

MUST BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT REGULATIONS. CELLS AND BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO MARATHON TECHNOLOGIES.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all I iability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.