View NSN Online: https://aerobasegroup.com/nsn/6140-01-063-3918

FOURDEE (OUT OF BUSINESS) -- NICKEL CADMIUM BATTERY -- 6140-01-063-3918

Product ID:NICKEL CADMIUM BATTERY MSDS Date:09/01/1992 FSC:6140 NIIN:01-063-3918 MSDS Number: BNRHJ === Responsible Party === Company Name: FOURDEE (OUT OF BUSINESS) City:SANFORD State:FL ZIP:32773-6062 Country:US Preparer's Name: HMIS TECHNICIAN CAGE:5L487 === Contractor Identification === Со mpany Name: EMERSON ELECTRIC CO, ELECTRONICS AND SPACE DIV Address:1201 SILVER LAKE RD City:SANFORD State:FL ZIP:32773-6062 Country:US CAGE:07661 Company Name: FOURDEE (OUT OF BUSINESS) Box:City:SANFORD State:FL ZIP:32773-6062 Country:US CAGE:5L487

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 CAS:21041-95-2 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: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 HYDRO XIDE (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

Ingred Name:SODIUM HYDROXIDE (SARA III) CAS:1310-73-2 RTECS #:WB4900000 Other REC Limits:NONE SPECIFIED OSHA PEL:2 MG/M3 ACGIH TLV:C 2 MG/M3; 9293 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:COBALT HYDROXIDE CAS:21041-93-0 Other REC Limits:NONE SPECIFIED

====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYES/SKIN: CAN CAUSE BURNS AND PERMANENT INJURY DUE TO CAUSTIC POTASSIUM HYDROXIDE(KOH). CADMIUM AND NICKEL AND THEIR COMPOUNDS CAN CAUSE CHRONIC HEALTH PROBLEMS SUCH AS CANCER, RENAL FAILURE AND RESP IRATORY PROBLEMS.

Explanation of Carcinogenicity:NICKEL AND CADMIUM AND THEIR COMPOUNDS ARE KNOWN OR SUSPECT CARCINOGENS.

Effects of

Overexposure: EYE AND SKIN BURNS FROM POTASSIUM HYDROXIDE.

CENTRAL NERVOUS SYSTEM DISORDERS AND CANCERS FROM LONG TERM EFFECTS OF HEAVY METAL POISONING.

Medical Cond Aggravated by Exposure:PERSONS WITH SKIN AND RESPIRATORY DISORDERS MAY BE AT INCRESED RISK FROM EXPOSURE.

First Aid:FLUSH WITH WATER. FOR EYE CONTACT, FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES AND CONTACT A PHYSICIAN IMMEDIATELY. IF INH

ALATION EXPOSURE, REMOVE TO FRESH AIR AND CONSULT A PHYSICIAN.

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE

PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS SUCH AS TOXIC CADMIUM OXIDE FUMES.

Spill Release Procedures: AVOID EYE AND SKIN CONTACT WHEN DISCARDING USED BATTERIES.

Neutralizing Agent:5% ACETIC ACID OR VINEGAR

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE IN A DRY PLACE.

Other Precautions: AIR BREATHER UNITS ARE NEEDED IF MATERI

## ALS ARE INCINERATED. INCINERATION IS NOT RECOMMENDED.

Respiratory Protection: NO SPECIAL PRECAUTIONS UNLESS AT HIGH TEMPERATURE IN WHICH CASE AIR BREATHER UNITS ARE REQUIRED. Ventilation:NO SPECIAL PRECAUTIONS. Protective Gloves: NEOPRENE, RUBBER OR LATEX NITRILE Eye Protection:SAFETY GOGGLES Other Protective Equipment: RUBBER OR PLASTIC GARMENTS. Work Hygienic Practices: AVOID EYE/SKIN CONTACT WITH LEAKING BATTERIES. WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. Supplemental Safety and Health AVOID HIGH TEMPERATURE USE. DANGEROUS FUMES OF CADMIUM OXIDE SUBLIME AT 2800F. MSDS GENERATED BY HMIS TECHNICIAN: MFR NO LONGER IN BUSINESS/VENDOR NOT IN BUSINESS. HCC:N1 Stability Indicator/Materials to Avoid:YES ANY SUBSTANCE WHICH WOULD CORRODE THE CASING AND CAUSE LEAKAGE OF THE BATTERY ELECTROLYTE.

Stability Condition to Avoid:HIGH TEMPERATURES AND OPEN FLAMES Hazardous Decomposition Products:BATTERY MAY EMIT HAZARDOUS VAPORS OF POTASSIUM HYDROXIDE AND CADMIUM AND NICKEL AND THEIR COMPOUNDS WHEN HEATED.

Waste Disposal Methods:DO NOT INCINERATE. BROKEN BATTERIES OR WITH LEAKING ELECTROLYTE CONSTITUTE HAZARDOUS WASTE. CONSULT WASTE DISPOSAL OFFICIALS FOR AD VICE.

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 liability 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.