

SECONDARY BATTERY,NICAD

MSDS Number

BKBWB

National Stock Number

6140-00-187-4734

Product Name

SECONDARY BATTERY,NICAD

Manufacturer

AVEX ELECTRONICS CORP

Product Identification

Product ID:SECONDARY BATTERY,NICAD

MSDS Date:01/01/1987

FSC:6140

NIIN:00-187-4734

MSDS Number: BKBWB

Responsible Party

AVEX ELECTRONICS CORP

1683 WINCHESTER ROAD

BENSALEM , PA 19020

US

Emergency Phone: 800-345-1295

Info Phone: 800-345-1295

Cage: 58414

Contractor

AVEX ELECTRONICS CORP

1026

BENSALEM, PA 19020-4510

US

215-638-1515

Cage: 58414

Ingredients

CADMIUM OXIDE (SARA III)

CAS: 1306-19-0

RTECS: EV1925000

Fraction By Weight: 8-15%

OSHA PELSEE 1910.1027

ACGIH TLV: 0.05 MG(CD)/M3; 9293

CADMIUM HYDROXIDE

CAS: 21041-95-2

Fraction By Weight: SEE #1%

OSHA PEL0.1 MG/M3 (CD FUME)

ACGIH TLV: 0.05 MG/M3 (CD FUME)

NICKEL HYDROXIDE (SARA III)

CAS: 12054-48-7

RTECS: QR7040000

Fraction By Weight: 3-5%

OSHA PEL1 MG NI/M3

ACGIH TLV: 0.1 MG NI/M3; 9293

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

LITHIUM HYDROXIDE MONOHYDRATE

CAS: 1310-66-3

RTECS: OJ6307080

Fraction By Weight: 0.4%

POTASSIUM HYDROXIDE (SARA III)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight: 2-4%

OSHA PELC, 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

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 RESPIRATORY 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 INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:FLUSH WITH WATER. FOR EYE CONTACT, FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES AND CONTACT A PHYSICIAN IMMEDIATELY. IF INHALATION EXPOSURE, REMOVE TO FRESH AIR AND CONSULT A PHYSICIAN.

Fire Fighting

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

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. BATTERIES CAN EXPLODE IF EXPOSED TO EXCESS HEAT.

Accidental Release

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

Neutralizing Agent: 5% ACETIC ACID OR VINEGAR

Handling

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

Other Precautions: AIR BREATHING UNITS ARE NEEDED IF MATERIALS ARE INCINERATED. INCINERATION IS NOT RECOMMENDED.

Exposure Controls

Respiratory Protection: NO SPECIAL PRECAUTIONS UNLESS AT HIGH TEMPERATURE IN WHICH CASE AIR BREATHING 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.

Supplemental Safety and Health

AVOID HIGH TEMPERATURE USE. DANGEROUS FUMES OF CADMIUM OXIDE SUBLIME AT 2800F

Chemical Properties

HCC: N1

Spec Gravity: 8.15-8.64

Appearance and Odor: BATTERY

Stability

Stability Indicator/Materials to Avoid: YES

AVOID DIRECT CONTACT OF CELL WITH METAL OBJECTS TO PREVENT SHORT CIRCUITS UNTIL READY TO USE.

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION, CONTACT OF CELL WITH ANYTHING METALLIC

Hazardous Decomposition Products: BATTERY MAY EMIT HAZARDOUS VAPORS OF POTASSIUM HYDROXIDE AND CADMIUM AND NICKEL AND THEIR COMPOUNDS WHEN HEATED.

Disposal

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

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