

AVEX ELECTRONICS CORP -- NICKEL-CADMIUM SEALED CELL BATTERY -- 6140-01-092-3553

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

Product ID:NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/19/1999

FSC:6140

NIIN:01-092-3553

Status Code:A

MSDS Number: CLCSM

=== Responsible Party ===

Company Name:AVEX ELECTRONICS CORP

Address:1683 WINCHESTER ROAD

Box:1026

City:BENSALEM

State:PA

ZIP:19020-4510

Country:US

Info Pho

ne Num:215-638-1515

Emergency Phone Num:215-638-1515

CAGE:58414

=== Contractor Identification ===

Company Name:AVEX ELECTRONICS CORP

Address:1683 WINCHESTER ROAD

Box:1026

City:BENSALEM

State:PA

ZIP:19020-4510

Country:US

Phone:215-638-1515

Contract Num:SP0430-97-M-R122

CAGE:58414

===== Composition/Information on Ingredients =====

Ingred Name:CADMIUM (PRESENT AS CADMIUM, CADMIUM HYDROXIDE, CADMIUM
OXIDE)

Minumum % Wt:8.

Maxumum % Wt:20.

OSHA PEL:0.2 MG/M3 CD DUST

ACGIH TLV:

.01 MG/M3 TWA DUST

Ingred Name:NICKEL (PRESENT AS NICKEL, NICKEL HYDROXIDE, NICKEL OXIDE)
Minumum % Wt:15.
Maxumum % Wt:35.
OSHA PEL:1.0 MG/M3 AS NI
ACGIH TLV:1.0 MG/M3 AS NI

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:NOT APPLICABLE FOR FINISHED PRODUCT
USED UNDER NORMAL CONDITIONS. I
Explanation of Carcinogenicity:NICKEL AND CADMIUM AND THEIR COMPOUNDS
ARE LISTED AS CAR
CINOGENS OR POTENTIAL CARCINOGENS BY NTP, IARC,
AND OSHA.
Effects of Overexposure:IRRITATION OF NOSE AND THROAT, SWEATING,
CHILLS, SHORTNESS OF BREATH, WEAKNESS, LOCAL DERMATITIS, NAUSEA,
COUGHING, CHEST PAINS.
Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISORDERS,
PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE, SEE PHYSICIAN. INGESTION:
INDUCE VOMITIN
G IF CONSCIOUS, SEE A PHYSICIAN. SKIN OR EYES: FLUSH
WITH WATER FOR 15 MINUTES. SEE PHYSICIAN IF SYMPTOMS DEVELOP.

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

Extinguishing Media:DRY CHEMICAL, CO2, WATER.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SELF-CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A
FIRE.

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

Spill Release Procedures:CONTAIN THE SPILL. COLLEC

T THE SPILLED

MATERIAL AND PLACE IT IN A PLASTIC-LINED CONTAINER. HEPA VACUUMING IS PREFERRED. FLUSH SPILL AREA WITH WATER.

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

Handling and Storage Precautions:FOR A BROKEN OR DAMAGED BATTERY CLEANUP, WEAR NIOSH/MSHA APPROVED DUST MASKS OR RESPIRATORS, IMPERVIOUS GLOVES; AND SAFETY GLASSES OR GOGGLES.
Other Precautions:KEEP CONTAINER CLOSED, AVOID CONTACT WITH CLOTHING, AVOID GENERATING DUST.

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

Respiratory Protection:NIOSH/MSHA APPROVED DUSTS.
Ventilation:LOCAL EXHAUST, MECHANICAL (GENERAL).
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY GLASSES/GOGGLES
Other Protective Equipment:DO NOT WEAR CONTAMINATED CLOTHING HOME. SHOWER AND CHANGE OR WEAR COVERALLS.
Work Hygienic Practices:KEEP FOOD AND TOBACCO AWAY FROM WORK AREA.
Supplemental Safety and Health
BOTH AVEX (P/N AV2012) & SAFT AMERICA (P/N 402037-005) MEET NSN REQUI
REMENT. AVEX PROVIDED SAFT AMERICA PRODUCT.

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

HCC:Z5
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:1.6

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

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:GENERAL STORAGE PROCEDURES FOR HAZARDOUS MATERIALS ARE ACCEPTABLE. AVOID SHORTING, USE ONLY APPROVED CHARGING METH

ODS.

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

Conditions to Avoid Polymerization:DO NOT PUNCTURE BATTERY CASE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS. IF DISCARDED, TREAT AS HAZARDOUS WASTE.

===== Other Information =====

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