View NSN Online: https://aerobasegroup.com/nsn/6135-01-314-8416

Product ID:MANGANESE DIOXIDE LITHIUM PRIMARY BATTERIES,HP 1420-0854 MSDS Date:05/10/1994 FSC:6135 NIIN:01-314-8416 MSDS Number: CFKTG === Responsible Party === Company Name:SANYO ENERGY USA CORP Address:2001 SANYO AVE City:SAN DIEGO State:CA ZIP:92173 Country:US

Emergency Phone Num:619-661-6620 CAGE:00JU0 === Contractor Identification === Company Name: J.G.B. ENTERPRISES Address:115 METROPOLITAN DR Box:209 City:LIVERPOOL State:NY ZIP:13088 Country:US Phone:315-451-2770 CAGE:61125 Company Name: SANYO ENERGY(U.S.A.) CORP. Address:2001 SANYO AVE Box:City:SAN DIEGO State:CA ZIP:92173 Country:US Phone:619-661-6620 CAGE:00JU0

Ingred Name:MANGANESE DIOXIDE CAS:13

13-13-9 RTECS #:OP0350000 Other REC Limits:NONE RECOMMENDED OSHA PEL:5 MG MN/M3 CEILING ACGIH TLV:5 MG MN/M3

Ingred Name:LITHIUM METAL CAS:7439-93-2 RTECS #:OJ5540000 Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPYLENE CARBONATE (PC) CAS:108-32-7 RTECS #:FF9650000 Other REC Limits:NONE RECOMMENDED

Ingred Name:DIMETHOXYETHANE (DME) CAS:110-71-4 RTECS #:KI1451000 Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM PERCHLORATE CAS:7791-03-9 Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN. Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF BATTERY IS MECHANICALLY/ELECTRICALLY ABUSED. ACUTE & CHRONIC- ELECTROLYTE (DME) IS SLIGHTLY TO MODERATELY TOXIC. MAY CAUS E EYE, SKIN & MUCOUS MEMBRANES IRRITATIO N. Explanation of Carcinogenicity:NONE

Effects of Overexposure:NONE. IF BROKEN OR IN FIRE: IRRITATION

Medical Cond Aggravated by Exposure:NONE

First Aid:IF BROKEN/FIRE: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH WATER. ORAL:IF BATTERY/OPEN BATTERY IS INGESTED, DO NOT INDUCE VOMITING ORGIVE FOOD/DRINK. SEE

## K IMMEDIATE MEDICAL ATTENTION. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE & FOLLOWUP (202-625-3333).

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:FOR BURNING BATTERIES IN BULK QUANTITIES OF
UNPACKED CELLS, USE CLASS D EXTINGUISHERS; LITH-X, POWDERED
GRAPHITE
Fire Fighting Procedures:NO WATER, SAND, CARBON DIOXIDE, SODA-ACID OR
HALOGENATED EXTINGUISHERS. WEAR
NIOSH-APPROVED SELF CONTAINED
BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:HAZARDOUS DECOMPOSITION PRODUCTS MAY BE
FORMED.

Spill Release Procedures: IF BROKEN, ALLOW BATTERIES TO COOL AND VAPORS TO DISSIPATE. AVOID EYES AND SKIN CONTACT. REMOVE SPILLED LIQUID WITH INERT ABSORBENT AND INCINERATE. Neutralizing Agent:NOT RELEVANT

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

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Handling and Storage Precautions:STORE IN COOL, DRY PLACE. BATTERIES MAY EXPLODE OR CAUSE BURNS, IF DISASSEMBLED, CRUSHED, RECHARGED, EXPOSED TO FIRE OR HIGH TEMPERATURE. Other Precautions:DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING

BATTERIES. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUITS. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG. KEEP BATTERIES AWAY FROM SMALL CHILDREN.

====== Exposure Controls/Pe

rsonal Protection ========

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE. WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE. Ventilation:ADEQUATE Protective Gloves:RUBBER FOR LEAKERS Eye Protection:GOGGLES FOR LEAKERS Other Protective Equipment:EYE BATH, WASHING FACILITIES Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, HCC:N1 NRC/State Lic Num:NOT RELEVANT Spec Gravity:NOT RELEVANT Viscosity:NOT RELEVANT Evaporation Rate & amp; Reference:NOT RELEVANT Solubility in Water:NOT RELEVANT Appearance and Odor:BATTERY - ODORLESS

Stability Indicator/Materials to Avoid:YES WATER WITH INTERNAL CONTNETS Stability Condition to Avoid:FIRE , HEAT, MOISTURE, RECHARGE, DISASSEMBLE

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. OPEN CELLS SHOULD BE TREATED AS HAZARDOUS WASTE.

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