

MULTIPLIER INDUSTRIES CORP. -- MULTIPLIER RECHARGEABLE NICKEL CADMIUM CELLS AND BATTERIES -- 6140-01-331-0892

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

Product ID: MULTIPLIER RECHARGEABLE NICKEL CADMIUM CELLS AND BATTERIES

MSDS Date: 06/04/1999

FSC: 6140

NIIN: 01-331-0892

Status Code: A

MSDS Number: CJLPQ

=== Responsible Party ===

Company Name: MULTIPLIER INDUSTRIES CORP.

Address: 135 RADIO CIRCLE

Box: 630

City:

MOUNT KISCO

State: NY

ZIP: 10549

Country: US

Info Phone Num: 914-241-1103

Emergency Phone Num: 914-241-1103

CAGE: 57932

=== Contractor Identification ===

Company Name: MULTIPLIER INDUSTRIES CORP.

Address: 135 RADIO CIRCLE

Box: 630

City: MOUNT KISCO

State: NY

ZIP: 10549

Country: US

Phone: 914-241-1103

CAGE: 57932

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

Ingred Name: CADMIUM OXIDE (SARA III) AND CADMIUM HYDROXIDE

CAS: 1306-19-0

RTECS #: EV1925000

Minimum % Wt: 8.

Maximum % Wt: 15.

Other

REC Limits:NONE RECOMMENDED  
OSHA PEL:0.2 MG (CD)/M3 DUST  
ACGIH TLV:0.01 MG(CD)/M3; 9394

Ingred Name:NICKEL HYDROXIDE (SARA III)  
CAS:12054-48-7  
RTECS #:QR7040000  
Minumum % Wt:3.  
Maxumum % Wt:5.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG (NI)/M3  
ACGIH TLV:0.1 MG(NI)/M3; 9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Minumum % Wt:2.  
Maxumum % Wt:4.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M  
3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:LITHIUM HYDROXIDE  
CAS:1310-65-2  
RTECS #:OJ6307070  
&lt; Wt:.4  
Other REC Limits:NONE RECOMMENDED

==== Hazards Identification =====

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INGESTION OF CELL OR ITS CONTENTS MAY  
BE HARMFUL.  
Explanation of Carcinogeni

city:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.

Effects of Overexposure:MAY CAUSE BURNS TO MOUTH, ESOPHAGUS, GI TRACT.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS  
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.  
WASH WITH SOAP  
AND WATER. IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION. IN HALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET  
MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:IN CASE OF FIRE IN ADJACENT AREA, IT IS PERMISSIBLE  
TO USE ANY CLASS OF EXTINGUISHING MEDIUM ON THESE BATTERIES OR  
THEIR PACKING MATERIAL.

Unusual Fire/E

xplosion Hazard:BATTERIES NORMALLY EVOLVE HYDROGEN WHICH,  
WHEN COMBINED WITH OXYGEN FROM THE AIR,CAN PROVIDE A COMBUSTIBLE OR  
EXPLOSIVE MIXTURE UNLESS VENTED. SHORT CIRCUITS, HIGH TEMPERATURES  
OR STATIC SPARKS COULD THEN CAUSE AN EXPLOSION.

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

Spill Release Procedures:ABSORB LIQUID WITH SUITABLE ABSORBENT  
MATERIAL. COLLECT FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Ha  
ndling and Storage =====

Handling and Storage Precautions:STORE BULK PACKAGED PRODUCT AWAY FROM  
COMBUSTIBLE MATERIALS UNLESS IN ORIGINAL PACKAGING. ACCIDENTAL  
BATTERY SHORT CIRCUIT CAN CAUSE VERY HIGH HEAT.

Other Precautions:DO NOT INCINERATE OR SUBJECT CELLS TO TEMPERATURES IN  
EXCESS OF 100C. DO NOT SEAL THESE BATTERIES IN AIRTIGHT OR  
WATERTIGHT CONTAINERS OR COMPARTMENTS. USE RECOMMENDED CHARGE RATE.  
HIGHER RATES CAN CAUSE INTERNAL GAS GENERATION.

=====

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

Supplemental Safety and Health

STORE BULK PACKAGED PRODUCT AWAY FROM COMBUSTIBLE MATERIALS UNLESS IN ORIGINAL BACKAGING BECAUSE ACCIDENTAL BATTERY SHORT CIRCUIT CAN CAUSE VERY HIGH HEAT.

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

HCC:B1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SEALED CELL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, OPEN FLAME

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DO NOT INCINERATE. USE LANDFILL.

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.