

PANASONIC CO DIV OF MATSUSHITA -- BATTERY, 050-1841-01 -- 6140-01-110-6327

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Product Identification
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Product ID: BATTERY, 050-1841-01

MSDS Date: 09/06/1996

FSC: 6140

NIIN: 01-110-6327

MSDS Number: CBSGS

=== Responsible Party ===

Company Name: PANASONIC CO DIV OF MATSUSHITA

Address: DATA PROCESSING CENTER HQTRS - ONLY

City: SECAUCUS

State: NJ

ZIP: 07094

Country: US

Info Phone Num: 201-392-6842 CAN'T

REQ MSDS HERE...

Emergency Phone Num: 201-348-9090 FOR CUST SVC/MSDS...

CAGE: 2M734

=== Contractor Identification ===

Company Name: PANASONIC CO DIV OF MATSUSHITA

Address: DATA PROCESSING CENTER HQTRS - ONLY

Box: City: SECAUCUS

State: NJ

ZIP: 07094

Country: US

Phone: 201-348-9090 FOR CUST SVC/MSDS...

CAGE: 2M734

Company Name: TEKTRONIX INC

Address: 14150 SW KARL BRAUN DR

Box: 500

City: BEAVERTON

State: OR

ZIP: 97077

Country: US

Phone: 503-627-7255

CAGE: 80009

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Composition/Information on Ingredients
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Ingred Name:NICKEL HYDROXIDE (SARA 313) (CERCLA)

CAS:12054-48-7

RTECS #:QR7040000

Fraction by Wt: 0-10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG(NI)/M3

ACGIH TLV:0.1 MG(NI)/M3; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:OXY NICKEL HYDROXIDE (SARA 313) (CERCLA)

CAS:12054-48-7

RTECS #:QR7040000

Fraction by Wt: 1-12%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG(NI)/M3

ACGIH TLV:0.1 MG(NI)/M3; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM (SAR

A 313) (CERCLA)

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: 1-15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M3 DUST; Z-2

ACGIH TLV:0.01 MG/M3 DUST;9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE

CAS:21041-95-2

Fraction by Wt: 3-16%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG CD/M3

ACGIH TLV:0.05 MG CD/M3

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 2-4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 2 MG/M3

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CGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM HYDROXIDE (CERCLA)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 2-4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LITHIUM HYDROXIDE
CAS:1310-65-2
RTECS #:OJ6307070
Fraction by Wt: 2-9%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO Sk
in:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: ALKALINE LIUID MAY DAMAGE SKIN.
CHRONIC: NICKEL, CADMIUM MAY DAMAGE LUNG OR KIDNEY.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:WASH THOROUGHLY WITH LARGE VOLUMES OF WATER IF ELECTROLYTE
IS
SPILLED. INHALATION-REMOVE TO FRESH AIR, CONTACT PHYSICIAN.
EYE-FLUSH WITH WATER, CONTACT PHYSICIAN. SKIN-WASH WITH LARGE
VOLUMES OF WATER . INGESTION-CONTACT PHYSICIAN IMMEDIATELY.

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

Extinguishing Media:USE AGENT APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:ABNORMAL USE CAN CAUSE AN EXPLOSION.

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===== Accidental Release Meas

ures =====

Spill Release Procedures:IF ONE OF THE BATTERIES SHOULD LEAK
ELECTROLYTE, WAS THE AREA WITH COPIOUS AMOUNTS OF WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT BREAK, OPEN BATTERY CELL.
Other Precautions:DO NOT DISPOSE OF IN FIRE. DO NOT SHORT-CIRCUIT. DO
NOT USE DIFFERENT TYPE OF BATTERIES IN THE SAME BATTERY ASSEMBLY.

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

Respiratory Protection:IF USED AS INTENDED, NONE SHOULD BE NEEDED.
Ventilation:IF USED AS INTENDED, NONE SHOULD BE NEEDED.
Protective Gloves:PROTECTIVE GLOVES CAN BE USED.
Eye Protection:PROTECTIVE GOGGLES CAN BE USED.
Other Protective Equipment:IF USED AS INTENDED, NONE SHOULD BE NEEDED.
Work Hygienic Practices:WASH AFTER HANDLING.

Supplemental Safety and Health

*****THE MANUFACTURER STATES THAT THIS MATERIAL IS DEFINED AS AN
"ARTICLES" BY OSHA,
SO THEY ARE EXEMPT FROM THE REQUIREMENTS OF THE
HAZARD COMMUNICATION STANDARD, HENSE A MATERIAL SAFETY DATA SHEET I
S NOT REQUIRED.****

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

HCC:N1

Appearance and Odor:EACH BATTERY CELL IS A SEALED CYLINDRICAL CONTAINER
ENCLOSING A NICKEL ELECTROD

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:
NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:ALKALINE LIUID MAY BE RELEASED WHEN
DECOMPOSES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL,
STATE AND FEDERAL REGULATIONS. THE HAZARDS WASTE CODE FOR NICKEL
CADMIUM BATTERIES IS DOO6.

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