

TEXAS INSTRUMENTS INC SEMICONDUCTOR GROUP -- NICKEL CADMIUM BATEERY --
6140-01-120-1097

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

Product ID:NICKEL CADMIUM BATEERY

MSDS Date:08/16/1991

FSC:6140

NIIN:01-120-1097

MSDS Number: BLZGW

=== Responsible Party ===

Company Name:TEXAS INSTRUMENTS INC SEMICONDUCTOR GROUP

Address:13500 N CENTRAL EXPY

Box:655303

City:DALLAS

State:TX

ZIP:75265-5303

Country:US

Info Phon

e Num:214-995-2011

Emergency Phone Num:214-995-2011

CAGE:01295

=== Contractor Identification ===

Company Name:TEXAS INSTRUMENTS

Address:MS 8308

Box:City:DALLAS

State:TX

ZIP:75265

Country:US

Phone:214-997-5417

CAGE:33809

Company Name:TEXAS INSTRUMENTS INC,SEMICONDUCTOR GROUP

Address:13500 N CENTRAL EXPY

Box:655303

City:DALLAS

State:TX

ZIP:75265-5303

Country:US

Phone:214-995-2011

CAGE:01295

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

Ingred Name:NICKEL AND NICKEL HYDROXI

DE
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1.0 MG/M3
ACGIH TLV:1.0 MG/M3

Ingred Name:CADMIUM AND CADMIUM HYDROXIDE
Fraction by Wt: 28%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3 (FUME)
ACGIH TLV:0.05 MG/M3

Ingred Name:COBALT & COBALT HYDROXIDE
Fraction by Wt: 0.6%
Other REC Limits:NONE SPECIFIED

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 2.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9
192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ELECTROLYTE IS CAUSTIC. CONTACT WITH
SKIN OR EYES MAY CAUSE IRRITATION.
Explanation of Carcinogenicity:NICKEL AND CADMIUM COMPOUND ARE LISTED
AS CARCINOGENIC TO HUMANS BY IARC AND NTP.
Effects of Overexposure:SKIN AND EYE CONTACT WITH POTASSIUM HYDROXIDE
MAY CAUSE CHEMICAL BURNS.
Medical Cond Aggravated by Exposure:AN ACUTE EXPOSURE WILL NOT
GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

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

First Aid:EYES OR SKIN: FLUSH WITH PLENTY OF RUNNING WATER FOR AT LEAST
15 MINUTES AND CONTACT A PHYSICIAN.

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

Fire Fighting Procedures:UES SELF-CONTAINED BREATHING APPARATUS,
PROTECTIVE

GLOVES AND EYE PROTECTION.
Unusual Fire/Explosion Hazard:CADMIUM FUMES MAY BE RELEASED DURING
BURNING.

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

Spill Release Procedures:FLUSH ELECTROLYTE SPILLS WITH WATER.

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

Handling and Storage Precautions:DO NOT SHORT CIRCUIT; MAY CAUSE BURNS.
Other Precautions:AVOID INCINERATION OR MUTILATION.

===== Exposure Controls/Personal Protection =====
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Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER USE AND BEFORE
EATING, DRINKING OR SMOKING.
Supplemental Safety and Health

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

HCC:B1
Boiling Pt:=765.C, 1409.F
Melt/Freeze Pt:=321.1C, 610.F
Spec Gravity:8.6
Solubility in Water:0%
Appearance and Odor:CD IS A SILVER-WHITE MALLEABLE METAL.

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MA
NUFACTURER.
Stability Condition to Avoid:DO NOT DISASSEMBLE OR HEAT.
Hazardous Decomposition Products:DO NOT INCINERATE OR MUTILATE; MAY
BURST OR RELEASE TOXIC MATERIALS.

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

Waste Disposal Methods:IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS.

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