

JOHNSON CONTROLS INC GLOBE BATTERY DIV -- GELL CELL/DYNASTY -- 6140-00-502-6262

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Product Identification
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Product ID:GELL CELL/DYNASTY

MSDS Date:02/01/1991

FSC:6140

NIIN:00-502-6262

MSDS Number: BFBSC

=== Responsible Party ===

Company Name:JOHNSON CONTROLS INC GLOBE BATTERY DIV

Address:5757 N GREEN BAY AVE

Box:591

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:414-228-3139

Emergency Phone Num:414-228-2746/800-424-9300(CHEMTREC)

CAGE:25244

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

Company Name:JOHNSON CONTROLS INC GLOBE BATTERY DIV

Address:5757 N GREEN BAY AVE

Box:591

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Phone:800-365-7777

CAGE:25244

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA)

III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 34%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE

CAS:1309-60-0

RTECS #:OG0700000

Fraction by Wt: 31%

Other REC Limits:NONE RECOMMENDED

Ingred Name:LEAD SULFATE (SARA III)

CAS:7446-14-2

RTECS #:OG4375000

Fraction by Wt: 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.15 MG PB/M3; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:

y:100 LBS

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 11.9%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 22.1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PLASTIC BATTERY CASE

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

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AS:7732-18-5
RTECS #:ZC0110000
Other REC Limits:NONE RECOMMENDED

Ingred Name:PLASTIC BATTERY CASE
Other REC Limits:NONE RECOMMENDED

Ingred Name:PLASTIC BATTERY CASE
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SEVERE EYE, SKIN AND UPPER
RESPIRATORY SYSTEM IRRITATION. POSSIBLE CORNEAL
DAMAGE. CHRONIC:
TEETH EROSION, CHRONIC BRONCHITIS. EXPOSURE TO LEAD MAY CAUSE
CHRONIC ANEMIA, KIDNEY AND NERVOUS SYST EM DAMAGE. NOTE: UNDER
NORMAL CONDITIONS OF USE, THERE IS NO HEALTH HAZARD. HEALTH HAZARD
ONLY OCCURS IF BATTERY BREAKS.

Explanation of Carcinogenicity:LEAD IS LISTED UNDER NTP AND IARC.

Effects of Overexposure:CONTACT WITH ELECTROLYTE: EYES/SKIN: SEVERE
IRRITATION AND BURNS. INGESTION: SEVERE IRRITATION AND BURNS TO
MOUTH, THROAT AND STOMACH.

Medical Co

nd Aggravated by Exposure:SULFURIC ACID MAY AGGRAVATE SKIN
DISEASES SUCH AS ECZEMA AND DERMATITIS. LEAD CAN AGGRAVATE FORMS OF
KIDNEY, LIVER AND NEUROLOGIC DISEASES.

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

First Aid:FOR CONTACT WITH ELECTROLYTE: EYES:IMMEDIATELY FLUSH WITH
WATER FOR AT LEAT 15 MINUTES. SKIN:WASH WITH SOAP AND WATER WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION:REMOVE FROM
EXPOSURE. I NGESTION:GIVE LARGE AMOUNTS OF W
ATER ORMILK. DO NOT
INDUCE VOMITING. FOR ALL EXPOSURES GET IMMEDIATE MEDICAL ATTENTION.

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

Lower Limits:4.1(HYDROGN)

Upper Limits:74 (HYDROGN)

Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE.

Fire Fighting Procedures:USE POSITIVE PRESSURE SELF-CONTAINED BREATHING
APPARATUS.

Unusual Fire/Explosion Hazard:HYDROGEN & OXYGEN GASES ARE PRODUCED IN
THE BATTERY DURING NORMAL OPERATION. AVOID CHANCE OF EXPLOSION

A

ND/OR FIRE BY KEEPING SOURCES OF IGNITION AWAY.

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

Spill Release Procedures:REMOVE COMBUSTIBLE MATERIALS AND ALL IGNITION SOURCES. COVER SPILL WITH SODA ASH OR QUICKLIME. MIX WELL. MAKE CERTAIN MIXTURE IS NEUTRAL THEN COLLECT RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER . WEAR PERSONAL PROTECTIVE EQUIPMENT.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE) OR QUICKLIME (CALCIUM OXIDE).

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Handling and Storage =====

Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY MFR. STORE WITH ADEQUATE VENTILATION. NEVER RECHARGE BATTERIES IN UNVENTILATED, ENCLOSED SPACE.

Other Precautions:DO NOT PERMIT FLAMES OR SPARKS IN THE VICINITY OF BATTERIES. IF ACID COMES IN CONTACT WITH CLOTHING, DISCARD CLOTHING.

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

Respiratory Protection:NONE REQUIRED.

Ventilation:GENERAL (MECHANICAL) VENTILATION.

Protective Gloves:VINYL COATED, PVC, GAUNTLET TYPE.

Eye Protection:SAFETY GLASSES.*

Other Protective Equipment:SAFETY SHOES. ACID RESISTANT CLOTHING PLUS GOGGLES AND/OR FACE SHIELD IF HANDLING ELECTROLYTE.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

KEY2:KT BATTERY IS SEALED W/GELLED ELECTROLYTE.

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

HCC:N1

NRC/State Lic Num:NONE"

Spec

Gravity:>1

Appearance and Odor:TRANSPARENT TO OPAQUE CASE SEALED WITH TOP
TERMINALS AND VENT CAPS

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS, STRONG REDUCING AGENTS, MOST METALS, ORGANIC
MATERIAL, CHLORATES, NITRATES, PICRATES, FULMINATES.

Stability Condition to Avoid:SPARKS AND OTHER IGNITION SOURCES.

Hazardous Decomposition Products:HYDROGEN, SULFUR DIOXIDE, SULFUR
TRIOXIDE, OXIDES OF LEAD A
ND SULFUR.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:*ELECTROLYTE: DISPOSE OF AS HAZARDOUS WASTE
I/A/W FEDERAL, STATE & LOCAL REGULATIONS. DO NOT FLUSH LEAD/ACID TO
SEWER. *BATTERIES: SEND TO LEAD SMELTER FOR RECLAMATION. COMPLY
WITH ALL APPLICABLE FEDE RAL, STATE AND LOCAL ENVIRONMENTAL
REGULATIONS.

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