

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

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

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

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

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:1
00 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
CAS:

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

===== 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 DA

MAGE. 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 Cond

Aggravated by Exposure:SULFURIC ACID MAY AGGRAVATE SKIN

DISEASES SUCH AS ECZEMA AND DERMATITIS. LEAD CAN AGGRAVATE FORMS OF
KIDNEY, LIVER AND NEUROLOGIC DISEASES.

===== 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 WATE

R ORMILK. DO NOT

INDUCE VOMITING. FOR ALL EXPOSURES GET IMMEDIATE MEDICAL ATTENTION.

===== 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
AND/

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).

===== Hand
ling 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) V
ENTILATION.
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 Gra

vity:>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 AND
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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