

JOHNSON CONTROLS INC GLOBE BATTERY DIV -- GELL CELL/DYNASTY/GELLED OR ABSORBED
ELECTROLYTE BATTERY -- 6140-01-111-6379

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

Product ID:GELL CELL/DYNASTY/GELLED OR ABSORBED ELECTROLYTE BATTERY

MSDS Date:02/01/1988

FSC:6140

NIIN:01-111-6379

MSDS Number: BSFSF

=== 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:414-228-2746

Emergency Phone Num:800-424-9300

CAGE:25244

=== Contractor Identification ===

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

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M

3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LEAD PEROXIDE
CAS:1309-60-0
RTECS #:OG0700000
Other REC Limits:NONE SPECIFIED

Ingred Name:LEAD SULFATE (SARA III)
CAS:7446-14-2
RTECS #:OG4375000
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15 MG PB/M3; 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3;
9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SKIN: SULFURIC ACID MAY CAUSE
IRRITATIVE CONTACT DERMATITIS. EYES: SULFURIC ACID LIQUID CAN
IRRITATE THE EYES. INGESTION: HANDS CONTAMINATED BY CONTACT WITH
INTERNAL COMPONENTS OF A BATTERY CAN CAUSE INGESTION OF LEAD/LEAD

COMPOUNDS IF HANDS ARE NOT WASHED PRIOR TO EATING, DRINKING, OR
SMOKING.

Explanation of Carcinogenicity:THE TESTING SHOWED THAT THERE IS
INSUFFICIENT EVIDENCE TO SHOW THAT LEAD CAN OR CANNOT CAUSE CANCER.

Effects of Overexposure:OVEREXPOSURE TO LEAD MAY CAUSE LOSS OF
APPETITE, DIARRHEA AND/OR CONSTIPATION WITH CRAMPING, DIFFICULTY IN
SLEEPING, AND FATIGUE. CONTACT WITH SULFURIC ACID MAY LEAD TO ACUTE
IRRITATION OF THE SKIN, CORNEAL DAMAGE OF THE EYES, AND IRRITATION
OF T

HE MUCOUS MEMBRANES OF THE EYES AND UPPER RESPIRATORY SYSTEM.
Medical Cond Aggravated by Exposure:INORGANIC LEAD AND ITS COMPOUNDS
CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER, AND NEUROLOGIC
DISEASES. CONTACT WITH SULFURIC ACID MAY AGGRAVATE SKIN DISEASES
SUCH AS ECZEMA AND CONTACT DERMATITIS.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE AND CONSULT A PHYSICIAN IF
ANY OF THE ACUTE EFFECTS LISTED ABOVE DEVELOP.

SKIN: WASH

THOROUGHLY WITH SOAP AND WATER. IF ELECTROLYTE COMES INTO CONTACT
WITH CLOTHING, REMOVE AND DO NOT WEAR AGAIN UNTIL CLEANED. EYES:
IMMEDIATELY RINSE WITH COOL RUNNING WATER FOR AT LEAST 15 MINUTES.
SEEK MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. SEEK A
PHYSICIAN.

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

Extinguishing Media:DRY CHEMICAL, FOAM, OR CARBON DIOXIDE..

Fire Fighting Procedures:USE POSITIVE PRESSURE, SELF-CONTAINED

BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:HYDROGEN AND OXYGEN GASES ARE PRODUCED IN
THE CELLS DURING NORMAL BATTERY OPERATION. THESE GASES ENTER THE
AIR THROUGH THE VENT CAPS.

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

Spill Release Procedures:REMOVE COMBUSTIBLE MATERIALS AND ALL SOURCES
OF IGNITION. COVER SPILL WITH SODA ASH OR QUICKLIME. MIX WELL. MAKE
CERTAIN MIXTURE IS NEUTRAL THEN COLLECT RESIDUE AND PLACE IN A DRUM
OR OTHER SUITA

BLE C ONTAINER. DISPOSE OF AS HAZARDOUS WASTE.

Neutralizing Agent:SODIUM CARBONATE OR CALCIUM OXIDE.

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

Handling and Storage Precautions:STORE LEAD/ACID BATTERIES WITH
ADEQUATE VENTILATION. NEVER RE-CHARGE BATTERIES IN AN UNVENTILATED,
ENCLOSED SPACE.

Other Precautions:MAKE CERTAIN VENT CAPS ARE ON TIGHTLY. FOLLOW
SHIPPING AND HANDLING INSTRUCTIONS WHICH ARE APPLICABLE TO THE
BATTERY TYPE. TO AVIOD DAMAGE TO TERMI

NALS AND SEALS, DO NOT
DOUBLE-STACK INDUSTRIAL BATTER IES.

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

Respiratory Protection:NONE REQUIRED
Ventilation:ADEQUATE VENTILATION
Protective Gloves:VINYL COATED, PVC, GAUNTLET TYPE
Eye Protection:SAFETY GLASSES
Other Protective Equipment:SAFETY SHOES.
Work Hygienic Practices:FOLLOWING CONTACT WITH INTERNAL BATTERY
COMPONENTS, WASH HANDS THOROUGHLY BEFORE EATING, DRINKING, OR
SMOKING.
Supplemental Safety and Health
N
ONE

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

HCC:N1
Appearance and Odor:AN OBJECT CONSISTING OF A TRANSPARENT TO OPAQUE
CASE AND SEALED COVER. ODORLESS

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

Stability Indicator/Materials to Avoid:YES
COMBUSTIBLE MATERIALS, STRONG REDUCING AGENTS, MOST METALS, CARBIDES,
ORGANIC MATERIALS, CHLORATES, NITRATES, PICRATES.
Stability Condition to Avoid:SPARKS AND OTHER SOURCES OF IGNITION.
Hazardous
Decomposition Products:OXIDES OF LEAD AND SULFUR, AND
HYDROGEN.

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

Waste Disposal Methods:ELECTROLYTE: NEUTRALIZED AS ABOVE FOR A SPILL,
COLLECT RESIDUE, AND PLACE IN A DRUM OR SUITABLE CONTAINER. DISPOSE
OF AS HAZARDOUS WASTE. DO NOT FLUSH LEAD CONTAMINATED ACID TO
SEWER. BATTERIES: SEND TO LEAD SMELTER FOR RECLAMATION FOLLOWING
LAWS.

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