

JOHNSON CONTROLS INC GLOBE BATTERY DIV -- GEL CELL/DYNASTY/GELLED OR ABSORBED ELECTRO -- 6140-01-111-3882

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

Product ID:GEL CELL/DYNASTY/GELLED OR ABSORBED ELECTRO

MSDS Date:09/29/1986

FSC:6140

NIIN:01-111-3882

MSDS Number: BJXRP

=== Responsible Party ===

Company Name:JOHNSON CONTROLS INC GLOBE BATTERY DIV

Address:5757 N GREEN BAY AVE

Box:591

City:MILWAUKEE

State:W

I

ZIP:53201

Country:US

Info Phone Num:414-228-3139;414-228-2746

Emergency Phone Num:800-424-9300(CHEMTREC)

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/M3;

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
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.15 MG/M3

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
Fraction by Wt: 35%
Other R
EC 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:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SULFURIC ACID MAY CAUSE
IRRITATION OF EYES, NOSE AND THROAT. PROLONGED CONTACT MAY CAUSE
SEVERE BURNS. CHRONIC: REPEATED CONTACT CAUSES IRRITATION AND SKIN
BUR

NS. REPEATED EXPOSURE TO MIST MAY CAUSE EROSION OF TEETH,
CHRONIC EYE IRRITATION AND/OR CHRONIC INFLAMMATION OF THE NOSE,
THROAT AND BRONCHIAL TUBES.

Effects of Overexposure:ACID CONTACT MAY CAUSE IRRITATION OF EYES, NOSE
AND THROAT. BREATHING OF MIST MAY PRODUCE RESPIRATORY DIFFICULTY.
CONTACT WITH EYES AND SKIN CAUSES IRRITATION AND SKIN BURNS.
SULFURIC ACID IS A CORROS IVE CHEMICAL. OVEREXPOSURE TO LEAD MAY
CAUSE LOSS OF APPETITE, FATIGUE, ANEMIA, DAMAGE TO KIDNEYS AN

D

NERVOUS SYSTEM.

Medical Cond Aggravated by Exposure:PULMONARY EDEMA, BRONCHITIS,
EMPHYSEMA, DENTAL EROSION AND TRACHEOBRONCHITIS.

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

First Aid:1). FLUSH CONTACTED AREA WITH LARGE AMOUNTS OF WATER FO R
AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND GET
MEDICAL ATTENTION. 2). IF SWALLOWED, GIVE
LARGE VOLUME S OF WATER. DO NOT I NDUCE VOMITING,OBTAIN MEDICAL
ATTENTION. 3). EYEWASH AND
SHOWER STATIONS SHOULD BE
AVAILABLE.

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

Extinguishing Media:NON-COMBUSTIBLE. FOR SURROUNDING FIRE USE WATER
FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS

DECOMPOSITION PRODUCTS AND VAPORS. HYDROGEN & OXYGEN ARE
PRODUCED IN THE CELLS, KEEP AWAY FROM FIRE & SPARKS.

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

Spill Release Procedures:SPILL-DILUTE SPILL CAUTIOUSLY WITH FIVE TO SIX
VOLUMES OF WATER AND GRADUALLY NEUTRALIZE WITH SODIUM BICARBONATE,
SODA ASH OR LIME. WHEN EXPOSURE LEVEL IS NOT KNOWN, WEAR NIOSH
APPROVED SELF-CONTAINED RESPIRATOR.

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH OR LIME.

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Handling and Storage
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Handling and Storage Precautions: STORAGE-STORE AWAY FROM REACTIVE MATERIALS, OPEN FLAMES AND SOURCES OF IGNITION.

Other Precautions: SODIUM BICARBONATE, SODA ASH, SAND OR LIME SHOULD BE KEPT IN SAME GENERAL AREA FOR EMERGENCY USE. WASH HANDS THOROUGHLY AFTER HANDLING LEAD TERMINALS IN ORDER TO AVOID INGESTION OF LEAD/LEAD COMPOUNDS.

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Exposure Controls/Personal Protection
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Respiratory Protection:

ACIS GAS RESPIRATOR REQUIRED WHEN PEL IS EXCEEDED OR EMPLOYEE WITNESSES RESPIRATORY IRRITATION.

Ventilation: WHEN PEL IS EXCEEDED LOCAL EXHAUST IS PREFERRED. USE ADEQUATE VENTILATION TO MAINTAIN EXPOSURE BELOW PEL.

Protective Gloves: ACID RESISTANT

Eye Protection: CHEMICAL SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment: ACIS-RESISTANT APRONS, BOOTS AND PROTECTIVE CLOTHING.

Work Hygienic Practices: GOOD PERSONAL HYGIENE AND WORK PRACTICES ARE MANDATORY.

Supplemental Safety and Health

PER MSDS, THE GEL CELL/DYNASTY/GELLED OR ABSORBED ELECTROLYTE BATTERY IS CLASSIFIED AS AN ARTICLE AND NONHAZARDOUS (29 CFR 1910.1200).

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Physical/Chemical Properties
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HCC: N1

Appearance and Odor: TRANSPARENT TO OPAQUE CASE & SEALED COVER WITH SIDE OR TOP TERMINALS, ODERLESS.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING & REDUCING AGENTS, METALS, CARBIDES, ORGANIC MATERIALS AND COMBUSTIBLE MATERIALS.

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: THERMAL DECOMPOSITION OR COMBUSTION MAY PRODUCE A SULFUR TRIOXIDE AND OR SULFUR DIOXIDE.

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Disposal Considerations
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Waste Disposal Methods: PLACE IN ACID-RESISTANT CONTAINERS. DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT REGULATIONS.

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mation by the compiling agencies):

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