

JOHNSON CONTROLS INC GLOBE BATTERY DIV -- LEAD/ACID BATTERY -- 6140-01-319-5566  
===== Product Identification =====

Product ID:LEAD/ACID BATTERY

MSDS Date:02/12/1990

FSC:6140

NIIN:01-319-5566

MSDS Number: BYGBF

=== 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

E

mergency Phone Num:414-228-3139/800-424-9300(CHEMTREC)

CAGE:25244

=== Contractor Identification ===

Company Name:CELL ENERGY INC

Address:3190-B ORANGE GROVE AVE

Box:City:NORTH HIGHLANDS

State:CA

ZIP:95660-5706

Country:US

Phone:916-484-7974

CAGE:1U269

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:LE

AD (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 PEROXIDE  
CAS:1309-60-0  
RTECS #:OG0700000  
Fraction by Wt: 31%  
Other REC Limits:NONE SPECIFIED

Ingred Name:LEAD SULFATE (SARA III)  
CAS:7446-14-2  
RTECS #:OG4375000  
Fraction by Wt: 1%  
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: 34%  
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

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

Flash Point:516F,269C , H2  
Lower Limits:4.1, H2  
Upper Limits:74.2, H2  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:USE POSITIVE PRESSURE SELF CONTAINED BREATHING

APPARATUS.

Unusual Fire/Explosion Hazard:HYDROGEN & OXYGEN GASES ARE PRODUCED IN THE CELLS DURING NORMAL OPERATION. TO AVOID THE CHANCE OF A FIRE OR EXPLOSION, KEEP BATTERY AWAY FROM IGNITION SOURCES.

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Exposure Controls/Personal Protection  
=====

Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:C1

Vapor Pres:11.7, ACID

Vapor Density:3.4, ACID

Spec Gravity:1.265, ACID

Solubility in Water:ACID IS SOLUBLE

App

pearance and Odor:A TRANSPARENT TO OPAQUE CASE WITH A SEALED COVER  
FITTED WITH SIDE/TOP TERMINALS

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

LEAD/LEAD COMPOUNDS, SULFURIC ACID, REDUCING AGENTS, MOST METALS,  
ORGANIC MATERIALS, CHLORATES, PICRATES, FULMINATES.

Stability Condition to Avoid:SPARKS AND OTHER SOURCES OF IGNITION

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