

JOHNSON CONTROLS INC GLOBE BATTERY DIV -- GELL/CELL BATTERY -- 6140-00-432-0490

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Product Identification
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Product ID:GELL/CELL BATTERY

MSDS Date:12/10/1991

FSC:6140

NIIN:00-432-0490

MSDS Number: BLZFP

=== 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

E

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

CAGE:25244

=== Contractor Identification ===

Company Name:HUGHES-PETERS INC

Address:4865 DUCK CREEK RD

Box:27119

City:CINCINNATI

State:OH

ZIP:45227-1421

Country:US

Phone:513-351-2000

CAGE:2B428

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)/LEAD OXIDE/LEAD SULPHATE

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:SULFURIC ACID (SARA III) SPECIFIC GRAVITY 1.280

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

Ingred Name:SILICON DIOXIDE (AMORPHOUS)

CAS:67762-90-7

Other REC Limits:NONE SPECIFIED

Ingred

Name:PHOSPHORIC ACID (SARA III)

CAS:7664-38-2

RTECS #:TB6300000

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3/3 STEL

ACGIH TLV:1 MG/M3/3 STEL; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CALCIUM, METAL

CAS:7440-70-2

RTECS #:EV8040000

Fraction by Wt: 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:STRONTIUM ALLOY/STRONTIUM

RTECS #:WK7850000

Fraction by Wt: 0.12%

Other REC Limits:NONE SPECIFIED

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

Routes of E

ntry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE-LEAD MAY CAUSE GI UPSET,LOSS OF APPETITE,DIARRHEA,CONSTIPATION,CRAMPING,LACK OF SLEEP & FATIGUE.CONTACT WITH SULFURIC ACID MAY LEAD TO EYE,SKIN & RESPIRATORY TRACT IRRITATION,CORNEAL & LUNG DAMA GE.CHRONIC-LEAD MAY CAUSE ANEMIA,KIDNEY& NERVOUS SYSTEM DAMAGE.ACID CAN CAUSE BRONCHITIS,EROSION OF TOOTH ENAMEL.

Explanation of Carcinogen

icity:LEAD IS POSSIBLY CARCINOGENIC TO HUMAN (MSDS).

Effects of Overexposure:LEAD MAY CAUSE GI UPSET, LOSS OF APPETITE, DIARRHEA, CONSTIPATION, CRAMPING, LACK OF SLEEP & FATIGUE. CONTACT WITH SULFURIC ACID MAY LEAD TO EYE, SKIN & RESPIRATORY TRACT IRRITATION, CORNEAL & LUNG DA MAGE.

Medical Cond Aggravated by Exposure:EXPOSURE TO SULFURIC ACID MIST CAUSES COUGHING AND WILL BURN EYES AND SKIN.

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

First Aid:OBT

AIN MEDICAL ATTENTION IN ALL CASES OF EXPOSURE.EYES/SKIN:FLUSH WITH WATER FOR 15 MINUTES.KEEP EYELIDS OPEN.INHALATION:MOVE TO FRESH AIR.INGESTION:DO NOT INDUCE VOMITING.CALL PHYSICIAN IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:DRY CHEMICAL, FOAM OR CO2

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:HYDROGEN AND OXYGEN GASES ARE PRODUCED IN THE CELLS DURING NORMAL BATTERY OPERATION. THEY ENTER THE AIR THROUGH THE VENT CAPS. KEEP AWAY SPARKS/SOURCES OF FIRE.

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

Spill Release Procedures:AVOID CONTACT WITH SULFURIC ACID ELECTROLYTE FROM BATTERY. LIME OR SODA MAY BE USED TO NEUTRALIZE AFTER DILUTING WITH WATER. CONTAIN LARGER SPILLS WITH SAWDUST OR OTHER

ABSORBING

MATERIAL. WEAR ACID RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING.

Neutralizing Agent: SODIUM BICARBONATE SOLUTION (1 LB TO 1 GAL WATER)-LIME OR SODA ASH

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

Handling and Storage Precautions: STORAGE-STORE IN COOL DRY WELL VENTILATED AREA. MAKE CERTAIN VENT CAPS ARE ON TIGHTLY. DO NOT DOUBLE-STACK BATTERIES.

Other Precautions: KEEP TERMINALS COVERED IN PLASTIC CASE. AVOID SHORTING BATTERIES. DO NOT C RACK OR OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES.

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

Respiratory Protection: NOT REQUIRED UNDER NORMAL USE. USE NIOSH-APPROVED ACID-MIST FILTER RESPIRATOR IF 1 MG/M³ TWA IS EXCEEDED (ACID).

Ventilation: ADEQUATE GENERAL VENTILATION

Protective Gloves: RUBBER

Eye Protection: SPLASH-PROOF CHEMICAL GOGGLES

Other Protective Equipment: RUBBER APRON AND BOOTS. EYES WASH STATION AND

SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices: REMOVE METALLIC JEWELRY-SHOCK POTENTIAL. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE P/N A OR B UNDER THE SAME NSN.

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

HCC: Z4

Melt/Freeze Pt: M.P/F.P Text: -40F, -40C

Appearance and Odor: AN OBJECT WITH TRANSPARENT-OPAQUE CASE AND SEALED COVER, TERMINAL, VENT, ODORL

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

Stability Indicator/Materials to Avoid: YES

ORGANIC SOLVENTS

Stability Condition to Avoid: HEAT ABOVE 144F OR BELOW -76F, OPEN
FLAMES, OVERCHARGING, SMOKING, SPARKS

Hazardous Decomposition Products: OXIDES OF LEAD AND SULFUR, HYDROGEN,
SULFUR DIOXIDE AND SULFUR TRIOXIDE

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

Waste Disposal Methods: NEUTRALIZED SPILLS MAY BE FLUSHED TO SANITARY
SEWER W

ITH WATER. RCRA WASTE DISPOSAL NO.: D002, D008. DISPOSE IN
ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS
FOR ACID OR LEAD SCRAP.

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