

HAWKER ENERGY (FRMLY GATES ENERGY PRODUCTS, INC) -- SEALED LEAD BATTERY,CLOSED CYLINDRICAL,0820-0022 CC -- 6140-01-108-1424

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

Product ID:SEALED LEAD BATTERY,CLOSED CYLINDRICAL,0820-0022 CC

MSDS Date:03/01/1990

FSC:6140

NIIN:01-108-1424

MSDS Number: BYCBC

=== Responsible Party ===

Company Name:HAWKER ENERGY (FRMLY GATES ENERGY PRODUCTS, INC)

Address:617 N. RIDGEV

IEW DR.

City:WARRENSBURG

State:MO

ZIP:64093

Country:US

Info Phone Num:800-964-2837

Emergency Phone Num:816-429-2165

CAGE:0WY95

=== Contractor Identification ===

Company Name:ENERGIZER POWER SYSTEMS (FORMALLY GATES ENERGY PRODUCTS INC)

Address:US HWY 411 N

Box:147114

City:GAINESVILLE

State:FL

ZIP:32614-7114

Country:US

Phone:904-462-3911

CAGE:19209

Company Name:GATES ENERGY PRODUCTS AFFIL OF GATES RUBBER CO

Address:1050 S BROADWAY

Box:5887

City:DENVER

State:CO

ZIP:80217

Country:US

CAGE:57053

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Company Name:HAWKER ENERGY PRODUCTS INC
Address:617 NORTH RIDGEVIEW DR
Box:City:WARRENSBURG
State:MO
ZIP:64093
Country:US
Phone:660-429-7528 / 800-964-2837
CAGE:0WY95

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA 313) (CERCLA); TOTAL PERCENTAGE OF INGREDIENTS 1
AND 2 = 69.

CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15MG/M3 DUST; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1
LB

Ingred Name:LEAD OXIDE
CAS:1309-60-0
RTECS #:OG0700000
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)/ELECTROLYTE
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 21%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NON-HAZARDOUS INGREDIENTS/MATERIALS
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED

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Hazards Identifi
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cation =====

LD50 LC50 Mixture:TLV FOR SULFURIC ACID IS 1 MG/M3.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:NONE. IF BATTERY IS LEAKING/IN FIRE:

TARGET ORGANS:EYES, SKIN, RESPIRATORY TRACT. ACUTE- LEAD MAY CAUSE GI UPSET, DIARRHEA, CRAMPING & FATIGUE. ELECTROLYTE MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION, BURNS. CHRONIC- LEAD MAY CAUSE ANEMIA, KIDNEY & CNS

DAMAGE. ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH ENAMEL.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:NONE. IF BATTERY IS LEAKING, BROKEN OR IN FIRE:

GI UPSET, LOSS OF APPETITE, DIARRHEA, CONSTIPATION, CRAMPING, LACK OF SLEEP, FATIGUE, EYE, SKIN & RESPIRATORY TRACT IRRITATION, BURNS, CORNEAL & LUNG DAMAGE

Medical Cond Aggravated by Exposure:IF LEAKING:INORGANIC LEAD & ITS

COMPOUNDS CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER & NEUROLOGIC DIS

EASES. CONTACT OF SULFURIC ACID WITH SKIN MAY AGGRAVATE SKIN DISEASES SUCH AS ECZEMA & DERMATITIS

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

First Aid:NONE NEEDED. IF BATTERY LEAKING:OBTAIN 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. IF CONSCIOUS, DRINK LARGE AMOUNT OF MILK OR WATER.

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

Flash Point:NONE

Extinguishing Media:MULTI-PURPOSE DRY CHEMICAL OR MULTI-PURPOSE CO2. WATER SPRAY MAY BE USED TO COOL FIRE-EXPOSED BATTERIES.

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 GAS MAY BE PRODUCED AND MAY EXPLODE IF IGNITED. SULFURIC ACID MISTS MAY BE FORMED.

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Accidental Release Measures =====

Spill Release Procedures:THIS PRODUCT IS A SEALED BATTERY. IN CASE OF AN ACCIDENT, ACID ELECTROLYTE CAN LEAK OUT. WEAR PROTECTIVE GLOVES. NEUTRALIZE THE ACID ELECTROLYTE WITH SODA ASH OR LIME AND FLUSH WITH LARGE AMOUNT OF WATER.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE), QUICKLIME (CALCIUM OXIDE)

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

Handling and Storage Precautions:STORE AT AMBIENT TEMPERATURE. KEEP

AWAY FROM FLAMES OR FIRE. DO NOT CARRY BATTERY BY TERMINALS. DO NOT DROP BATTERY, PUNCTURE OR OPEN BATTERY CASE.

Other Precautions:AVOID SHORTING BATTERIES. DO NOT OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE.

Ventilation:ADEQUATE GENERAL VENTILATION

Protective Gloves:R

RUBBER/LATEX FOR LEAKERS

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES FOR LEAKER

Other Protective Equipment:RUBBER APRON AND BOOTS IF SPILLED. EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

THE MANUFACTURER STATES THE SEALED, LEAD ACID BATTERY IS CONSIDERED AN ARTICLE AS DEFINED

BY 29 CFR 1910.1200(C) OSHA HAZARD COMMUNICATION STANDARD.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:SEALED LEAD ACID BATTERY, RECTANGULAR OR SQUARE IN SHAPE - NO ODOR

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

Stability Indicator/Materials to Avoid

void:YES

NOT RELEVANT

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, OVERCHARGING,
SMOKING, SPARKS, SHORTING. DO NOT PUNCTURE BATTERY CASE.

Hazardous Decomposition Products:OXIDES OF LEAD AND SULFUR, HYDROGEN,
SULFUR DIOXIDE AND SULFUR TRIOXIDE MAY BE FORMED.

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

Waste Disposal Methods:DISPOSE AS HAZARDOUS WASTE. OBSERVE ALL FEDERAL,
STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP.
SEND BATTERIES TO LEAD SMELTER FOR RECLAMATION FOLLOWING APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT INCINERATE.

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