

HAWKER ENERGY (FRMLY GATES ENERGY PRODUCTS, INC) -- CYCLON SEALED LEAD BATTERY(CLOSED CYLINDRICAL) -- 6140-01-345-3393

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

Product ID:CYCLON SEALED LEAD BATTERY(CLOSED CYLINDRICAL)

MSDS Date:08/28/1995

FSC:6140

NIIN:01-345-3393

MSDS Number: BVZPV

=== Responsible Party ===

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

Address:617 N. RIDGEVIEW DR.

Ci

ty:WARRENSBURG

State:MO

ZIP:64093-9301

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:HAWKER ENERGY PRODUCTS INC

Address:617 NORTH RIDGEVIEW DR

Box:City:WARRENSBURG

State:MO

ZIP:64093

Country:US

Phone:660-429-7528 / 800-964-2

837
CAGE:0WY95

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA 313) (CERCLA) AND LEAD OXIDES
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 56-67%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.05MG/M3, A3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (FUMING) (CERCLA) ELECTROLYTE
CAS:8014-95-7
RTECS #:WS5605000
Fraction by Wt: 6-8%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:1 MG/M3/3 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NON-HAZARDOUS MATERIALS
Fraction by Wt: 26-37%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:IRAC LIST LEAD AS A POSSIBLE CARCINOGEN
TO HUMANS. (GROUP 2B)
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:BATTERY CONTAINS ACID ELECTROLYTE.IF BATTERY CASE IS PUNCTURED
COMPLETELY FLUSH ANY RELEASED MATERIAL FROM SKIN OR EYES WITH
WATER.

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Fire Fighting Measures
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Flash Point:NA
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:MULTIPURPOSE DRY CHEMICAL, CO2, OR WATER SPRAY.
Fire Fighting Procedures:COOL

BATTERY EXTERIOR TO PREVENT RUPTURE.ACID
MISTS/VAPORS IN FIRE ARE TOXIC AND CORROSIVE.
Unusual Fire/Explosion Hazard:HYDROGEN GAS MAY BE PRODUCED AND MAY
EXPLODE IF IGNITED.REMOVE ALL SOURCES OF IGNITION.

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

Spill Release Procedures:AVOID CONTACT W/ACID MATLS.USE SODA ASH OR
LIME TO NEUTRALIZE.FLUSH W/WATER.
Neutralizing Agent:SODA ASH OR LIME.

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

Handling and Storage Precautions:BATT-STARVED ELECTROLYTE
BATT-ELECTROLYTE ABSORBED IN SEPARATOR MATL.THEYRE SEALED.AS OF
9-30-95 HAWKER ENERG PROD BATT CLASSIFIED-"NON-SPILLABLE WET
Other Precautions:STORAGE BATT",NOT SUBJ TO FULL 40CFR173.160
REQMTS.BATT TESTED/DETERMINED TO COMPLY W/VIBRATION/PRESSURE
DIFFERENTIAL TEST OF 49CFR173.150(D) & NOT SUBJ TO DOT
REQMTS.PROPERLY LABELED IAW DOT REGS.BAT T CLASSIFY AS WE NONSPILLA
& MEET(SUPPL)

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:NONE SPECIFIED BY MANUFACTURER.
Eye Protection:NONE SPECIFIED BY MANUFACTURER.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
OTHER PRECAUT:173.150(D) CONDITIONS THEY DONT HAVE UN# NOR REQUIRE ADDN
DOT HAZ LABEL.

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

HCC:N1
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:NA
Decomp Temp:Decomp Text:NP
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:NA
pH:NP
Viscosity:NP
Evaporation Rate & Reference:NA
Solubility in Water:NA
Appearance and Odor:NA;ARTICLE IAW HAZ COMM STD.PER TIR:CASE
MATERIAL-PLASTIC.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
NON

E SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:AVOID SHORTING.USE ONLY APPROVED CHARGING METHODS.

Hazardous Decomposition Products:HYDROGEN GAS.

Conditions to Avoid Polymerization:AVOID TEMPERATURES EXTREMES ABOVE 80C AND BELOW 40C.DONT PUNCTURE BATTERY CASE.

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

Waste Disposal Methods:PLACE IN ACID RESIST CNTNR.DISPO OF IAW FED/STATE/LOC REGS.DONT INCINERATE.BATT SHOULD BE SHIP TO RECLAMATION FACILITY FOR RECOVERY OF METAL/PLASTIC CMPDS AS PROPER METHOD OF WASTE MANAGEMENT.CONTACT DISTRIBUTOR FOR APPROPRIATE PROD RETURNPROCEDURES

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