

HAWKER ENERGY PRODUCTS INC. (GATES) -- CYCLON SEALED LEAD BATTERY(CLOSED CYLINDER)(PN:0800-0008) -- 6140-01-281-3350

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

Product ID:CYCLON SEALED LEAD BATTERY(CLOSED CYLINDER)(PN:0800-0008)

MSDS Date:08/28/1995

FSC:6140

NIIN:01-281-3350

MSDS Number: CHHSY

=== Responsible Party ===

Company Name:HAWKER ENERGY PRODUCTS INC. (GATES)

Address:617 N. RIDGEVIEW DR.

City:WARRENSBURG

State:MO

ZIP:64093-9301

Country:US

Info Phone Num:800-96

4-2837/FAX 813-429-2253

Emergency Phone Num:816-429-2165

CAGE:U6335

=== Contractor Identification ===

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

Company Name:HAWKER ENERGY PRODUCTS LTD

Address:STEPHENSON ST

Box:5887

City:NEWPORT GWENT NP9 0XJ

Country:UK

CAGE:U6335

===== Composition/Information on Ingredients =====

Ingred Name:LEAD INCLUDE INGRED #2

CAS:7

439-92-1
RTECS #:OF7525000
Fraction by Wt: 56-67%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDES
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: 6-8%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NON-H
AZARDOUS INGREDIENTS
Fraction by Wt: 26-37%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:BATTERY CONTAINS ACID ELECTROLTYE.IF BATTER
Y CASE IS
PUNCTURED COMPLETELY FOUSH ANY RELEASED MATERIAL FROM SKIN OR EYES
WITH WATER.

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

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 AND VAPORS IN FIRE ARE TOXIC AND CORROSIVE.
Unusual Fire/Explosion Hazard:HYDROGEN GAS MAY B

E 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:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:HAWKER ENERGY PROD INC BATT ARE STARVED ELECTROLYTE
BATT
WHICH MEANS ELECTROLYTE IS ABSORBED IN SEPARATOR MATL.BATT ARE
SEALED.AS 30SEPT95 HAWKDER ENERG PROD INC BATT CLASSIFIED AS
"NONSPILLABLE WET E LECTRIC STORAGE BATT",AS SUCH NOT (SUPP)

===== 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 SPECIFIE
D BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
OTH PREC:SUBJ TO REQMTS 49CFR173.159.PREV CLASSIF"DRY BATT NOT
RESTRICTED"DISCONTD 30SEPT95."WET NONSPILLABLE"BATT EXEMTP FRM REGS
PKG REQMTS IF BATT PROTECTED AGAINST SHORT CIRCUIT,SECURELY
PKDG,&BAT T MFG AFT 30SEPT95 BATT/OUTER PKG MUST BE PLAINLY/DURABLY
MARK "NONSPILL"/"NONSPILL BATT"&CAPABLE OF W/STAND VIB/PRESS.

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

HCC:Z4
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
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:AVOID SHORTING.USE ONLY AP

PROVED CHARGING
METHODS.

Hazardous Decomposition Products:HYDROGEN GAS.

Conditions to Avoid Polymerization:AVOID TEMPS EXTREMES ABOVE 80C AND
BELOW -40C.DO NOT PUNCTURE BATTERY CASE.

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

Waste Disposal Methods:PLACE IN ACID RESISTANT CNTNR.DISPO OF IAW
FED/STATE/LOC REGS.DONT INCINERATE.BATT SHOULD BE SHIP TO
RECLAMATION FACIL FOR RECOVERY OF METAL & PLASTIC CMPDS AS PROPER
METHOD OF WASTE MANAGEMENT.CONTAC T
DISTRIBUTOR FOR APPROPRIATE
PROD RETURN PROCEDUR

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