

HAWKER ENERGY -- CYCLON SEALED LEAD BATTERY (CLOSED CYLINDRICAL),EA 20673 Q 4 --
6140-01-127-6253

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

Product ID:CYCLON SEALED LEAD BATTERY (CLOSED CYLINDRICAL),EA 20673 Q 4

MSDS Date:08/28/1995

FSC:6140

NIIN:01-127-6253

MSDS Number: BXHNS

=== Responsible Party ===

Company Name:HAWKER ENERGY

Address:617 N. RIDGEVIEW DR.

City:WARRENSBURG

State:MO

ZIP:64093-9301

Count

ry:US

Info Phone Num:800-964-2837

Emergency Phone Num:816-429-2165

CAGE:NO003

=== Contractor Identification ===

Company Name:ENGINEERED ASSEMBLIES AND COMPONENTS CORP

Address:5289 CAPITAL BLVD

Box:City:RALEIGH

State:NC

ZIP:27604-2925

Country:US

Phone:919-790-9700

CAGE:0AC65

Company Name:HAWKER ENERGY

Address:617 N. RIDGEVIEW DR.

Box:City:WARRENSBURG

State:MO

ZIP:64093-9301

Country:US

Phone:800-964-2837

CAGE:NO003

Company Name:HAWKER ENERGY PRODUCTS INC

Address:617 NORTH RIDGEVIEW DR

Box:City:WAR

RENSBURG

State:MO

ZIP:64093

Country:US

Phone:660-429-7528 / 800-964-2837

CAGE:0WY95

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

Ingred Name:LEAD (SARA 313) (CERCLA); TOTAL PERCENTAGE OF INGREDIENTS 1
AND 2: 56 - 67

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: SEE ING

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:LEAD OXIDES

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOM
MENDED

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)

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-HAZARDOUS INGREDIENTS/MATERIALS

Fraction by Wt: 26 - 37%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT RELEVANT

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

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:NONE. ACUTE- PRODUCT IS AN ABSORBED ELECTROLYTE BATTERY. NO HAZARD IS ANTICIPATED. HAZARDOUS EXPOSURE CAN OCCUR WHEN PRODUCT IS IN FIRE/BROKEN: MAY CAUSE EYE & SKIN BURNS, RESPIRATORY IRRITATION. TOXIC IF INGESTED. CHRONIC- MAY CAUSE ANEMIA, LUNG, KIDNEY & NERVE DAMAGE (WRIST DROP), EROSION OF TEETH.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:NONE.

IF IN FIRE OR BROKEN, DUST OR FUMES MAY

CAUSE: IRRITATION, ANEMIA, ABDOMINAL PAIN, NAUSEA, VOMITING, CONSTIPATION, HEADACHE, FATIGUE, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES, BURNS, PAIN

Medical Cond Aggravated by Exposure:NONE. IF BROKEN OR IN FIRE: LEAD AND ITS COMPONENTS CAN AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES. ACID MAY AGGRAVATE SKIN DISORDERS.

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

First

Aid:NONE REQUIRED IN NORMAL CONDITIONS OF USE. IF IN FIRE OR BROKEN: INHALATION - REMOVE FROM EXPOSURE, GARGLE, WASH NOSE AND LIPS; CONSULT PHYSICIAN. INGESTION - CONSULT PHYSICIAN IMMEDIATELY. SKIN - WASH IMMEDIATELY WITH SOAP AND WATER. EYES- IMMEDIATELY FLUSH WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES; CONSULT PHYSICIAN.

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

Flash Point:NON-FLAMMABLE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

VANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL EXTERIOR OF BATTERIES.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUMES, VAPORS AND/OR DUST THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. HYDROGEN GAS, IF PRESENT, MAY CAUSE FIRE OR EXPLOSION.

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

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Spill Release Procedures:THIS IS A SEALED BATTERY. IF BROKEN, DUST/PARTICULATE SHOULD BE VACUUMED OR WET-SWEPT. DO NOT DRY SWEEP OR USE FORCED AIR. PLACE IN DRY, CLOSED CONTAINER FOR DISPOSAL. FOR LIQUID, WEAR GLOVES TO HANDLE ANY EXPOSED MATERIAL. COVER WITH SODAASH.

Neutralizing Agent:SODA ASH

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY, VENTILATED AREAS, UNDER THE ROOF. KEEP AWAY FROM SPARKS AND FIRE.

Other Precautions:WASH HANDS BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN. AVOID THE USE OF UNINSULATED TOOLS. DO NOT MAKE A CONNECTION BETWEEN THE TWO BATTERY TERMINALS AS SEVERE SPARKING MAY OCCUR WHICH COULD RESULT IN AN EXPLOSION.

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

Respiratory Protection:NONE REQUIRED. FOR DUST, FUME OR MIST, WEAR NIOSH-APPROVED RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

FOR ACID MIST, WEAR NIOSH-APPROVED ACID MIST RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:RUBBER WHEN HANDLING BROKEN BATTERIES

Eye Protection:GOGGLES WHEN HANDLING BROKEN BATTERIES

Other Protective Equipment:EYE BATH, WASHING FACILITIES

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

THE MANUFACTURER STATES THIS BATTERY IS AN ARTICLE AND, AS SUCH, IS NOT SUBJECT TO OSHA HAZARD COMMUNICATION STANDARD REQUIREMENT FOR

PREPARATION OF A MATERIAL SAFETY DATA SHEET. THE BATTERY CELL IS CONTAINED IN A HERMETICALLY SEALED CASE AND NO HAZARDOUS MATERIALS MAY BE RELEASED (ABSORBED) IN NORMAL CONDITION OF USE.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:NOT KNOWN

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:PRODUCT IS AN AB

SORBED ELECTROLYTE (SEALED)
BATTERY.

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

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: PROLONGED OVERCHARGE, SOURCES OF IGNITION,
SHORTING, TEMPERATURES ABOVE 80C/176F AND BELOW -40C/-40F

Hazardous Decomposition Products: TOXIC LEAD FUMES, LEAD OXIDE, HYDROGEN

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MATERIAL SHOULD BE RECYCLED AT A SECONDARY
LEAD SMELTER. RECYCLING IS RECOMMENDED. CONTACT DISTRIBUTOR FOR
APPROPRIATE PRODUCT RETURN PROCEDURES.

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