

SEALED LEAD ACID BATTERY MATERIAL SAFETY DATA SHEET

LEAD-ACID BATTERY - BATTERY ASSEMBLY, LEAD ACID, SEALED, WET CHARGED
SEALED LEAD-ACID BATTERY - BATTERY ASSEMBLY, LEAD ACID, SEALED, WET
CHARGED

MATERIAL SAFETY DATA SHEET

NSN: 6135012724048

Manufacturer's CAGE: 77280

Part No. Indicator: A

Part Number/Trade Name: SEALED LEAD/ACID BATTERY

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General Information
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Item Name: BATTERY ASSEMBLY, LEAD ACID, SEALED, WET CHARGED

Company's Name: INTERSTATE ALL BATTERY CENTER

Company's Street: 1700 DIXON STREET

Company's City: DES MOINES

Company's State: IA

Company's Country: US *

Company's Zip Code: 50316

Company's Emergency Ph #: 1-800-424-9300

Company's Info Ph #: 1-800-424-9300/1-800-203-6549

Safety Data Action Code: C

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 001

Status: SEU

Date MSDS Prepared: MAY 10, 2005

Safety Data Review Date: MAY 10, 2005

MSDS Serial Number: BMTZY

Specification Number: NONE

Spec Type, Grade, Class: NONE

Hazard Characteristic Code: N1

Unit Of Issue: EA

Type Of Container: BATTERY CASE

Net Unit Weight: UNKNOWN
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Ingredients/Identity Information
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Proprietary: NO

Ingredient: SULFURIC ACID (SARA III)

Ingredient Sequence Number: 01

Percent: 32-40

NIOSH (RTECS) Number: WS5600000

CAS Number: 7664-93-9

OSHA PEL: 1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

Other Recommended Limit: NONE SPECIFIED

Proprietary: NO

Ingredient: LEAD (BATTERY INTERNALS OF LEAD) (SARA III)

Ingredient Sequence Number: 02

Percent: UNKNOWN

NIOSH (RTECS) Number: OF7525000

CAS Number: 7439-92-1

OSHA PEL: 0.05 MG/M3;1910.1025

ACGIH TLV: 0.15 MG/M3;DUST 9192

Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics
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Appearance And Odor: COLORLESS, TRANSPARENT, NO ODOR (NOTE DESCRIPTION OF ELECTROLYTE NOT BATTERY)
Boiling Point: 203F,95C
Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): 10 MM
Vapor Density (Air=1): 1
Specific Gravity: 1.27
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: UNKNOWN
Solubility In Water: 100%
Corrosion Rate (IPY): UNKNOWN
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Fire and Explosion Hazard Data
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Flash Point: NON-FLAMMABLE
Lower Explosive Limit: UNKNOWN
Upper Explosive Limit: UNKNOWN
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Special Fire Fighting Proc: WEAR ACID RESISTANT PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire And Expl Hazrds: WHEN BEING CHARGED THIS BATTERY GENERATES HYDROGEN GAS WHICH MAY FORM EXPLOSIVE MIXTURES WITH AIR. ELECTROLYTE REACTS WITH WATER OR WITH METALS TO RELEASE H*2.
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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): RUPTURE OF BATTERY CASE.
Materials To Avoid: COMBUSTIBLES, ORGANIC MATERIALS, STRONG REDUCING AGENTS, METALS, CYANIDES.
Hazardous Decomp Products: CHARGING, ESPECIALLY OVERCHARGING RELEASES HYDROGEN, A FLAMMABLE EXPLOSIVE GAS.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT
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Health Hazard Data
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LD50-LC50 Mixture: ORAL RAT LD50 IS NOT KNOWN
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: PRODUCT CONTAINS LEAD AND SULFURIC ACID. SULFURIC ACID IS A CORROSIVE CAUSING BURNS TO BODY TISSUES. LEAD IS TOXIC AND SOME LEAD COMPOUNDS ARE LISTED AS CARCINOGENIC. CONTACT WITH EITHER IS HIGHLY UNLIKELY TO OCCUR UNLESS THE CASE IS BROKEN OR SPILLED, THEN ONLY CONTACT WITH THE ACID IS LIKELY.
Carcinogenicity - NTP: YES
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: LEAD COMPOUNDS ARE LISTED AS CARCINOGENIC IN ANIMALS AND POSSILBY IN HUMANS.

Signs/Symptoms Of Overexp: CONTACT WITH SULFURIC ACID IS THE MOST LIKELY EXPOSURE, PRODUCING IRRITATION OR BURNS TO THE BODY TISSUE CONTACTED.

Med Cond Aggravated By Exp: NONE

Emergency/First Aid Proc: FIRST AID IS GIVEN FOR SULFURIC ACID CONTACT.
EYE: FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE.
INHALED: REMOVE TO FRESH AIR. INGESTED: DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR.

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: IF ACID IS SPILLED, NEUTRALIZE. PLACE REMAINDER IN AN ACID RESISTANT CONTAINER FOR RECYCLE OF THE LEAD.
Neutralizing Agent: SODIUM BICARBONATE OR LIME
Waste Disposal Method: DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. HMIS SUGGESTS THAT DISPOSAL MAY BE DONE BY FLUSHING NEUTRALIZED ACID TO DRAIN AND SENDING REMAINDER TO LEAD RECLAIMER. DO NOT INCINERATE!!!
Precautions-Handling/Storing: STORE IN COOL, DRY AREA. PROTECT FROM PHYSICAL DAMAGE. PROTECT TERMINALS FROM SHORT CIRCUITS.
Other Precautions: READ MANUFACTURERS LITERATURE AND FOLLOW INSTRUCTIONS.

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Control Measures
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Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED RESPIRATOR FOR ACID DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.
Ventilation: NOT NORMALLY REQUIRED. USE LOCAL EXHAUST DURING CHARGING CYCLES TO AVOID AN EXPLOSIVE BUILD UP OF HYDROGEN GAS. *
Protective Gloves: NONE (RUBBER IF ACID IS LEAKING)
Eye Protection: SAFETY GLASSES/SPLASH GOGGLES FOR LIQUID
Other Protective Equipment: NORMAL WORK CLOTHING. PROTECT WITH IMPERVIOUS APRON AND/OR BOOTS WHEN HANDLING ACID OR IF ACID IS LEAKING.
Work Hygienic Practices: USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID ALL CONTACT WITH ACID OR INTERNALS OF THE BATTERY.
Suppl. Safety & Health Data: NON-SPILLABLE BATTERY, PER CTDF.

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Transportation Data
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Trans Data Review Date: 92147
DOT PSN Code: BQR
DOT Symbol: AW
DOT Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE
DOT Class: 8
DOT ID Number: UN2800
DOT Pack Group: III
DOT Label: CORROSIVE
IMO PSN Code: BWG
IMO Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE
IMO Regulations Page Number: 8121
IMO UN Number: 2800
IMO UN Class: 8*

IMO Subsidiary Risk Label: -
IATA PSN Code: DAB
IATA UN ID Number: 2800
IATA Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE
IATA UN Class: 8
IATA Label: CORROSIVE
AFI PSN Code: DAB
AFI Prop. Shipping Name: BATTERIES, WET, NON-SPILLABLE
AFI Class: 8
AFI ID Number: UN2800
AFI Pack Group: III
AFI Basic Pac Ref: 12-8
N.O.S. Shipping Name: SULFURIC ACID
Additional Trans Data: NOTE THAT DOT IS NOT REGULATED BUT BATTERY MUST
BE PACKED TO PREVENT TERMINALS FROM SHORTING. AFR 71-4 REQUIRES THE
SHIPPING NAME 'BATTERY, WET, NON-SPILLABLE' WITH 'CORROSIVE' LABELS.

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 22MAY92
MFR Label Number: NONE
Label Status: F
Common Name: LEAD/ACID BATTERY
Signal Word: DANGER!
Acute Health Hazard-Severe: X
Contact Hazard-Severe: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: FIRST AID: IN CASE OF CONTACT, IMMEDIATELY
FLUSH SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. GET
MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. PRODUCT CONTAINS LEAD
AND SULFURIC
ACID. SULFURIC ACID IS A CORROSIVE CAUSING BURNS TO BODY TISSUES. LEAD
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THIS BATTERY GENERATES HYDROGEN GAS WHICH MAY FORM EXPLOSIVE MIXTURES
WITH AIR. ELECTROLYTE REACTS WITH WATER OR WITH METALS TO RELEASE H*2.
Protect Eye: Y
Protect Skin: Y
Label Name: INTERSTATE ALL BATTERY CENTER
Label Street: 1700 DIXON STREET
Label City: DES MOINES
Label State: IA
Label Zip Code: 50316
Label Country: US
Label Emergency Number: 1-800-424-9300