

YUASA-EXIDE -- NP SERIES 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, SLA 1075

Part Number/Trade Name: **POWER PATROL - 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: MARCH 15, 2005

Safety Data Review Date: MARCH 15, 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 H².

Reactivity Data

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

Health Hazard Data

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 LAUNDER 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.

Precautions for Safe Handling and Use

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/AW 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 IS TOXIC AND SOME LEAD COMPOUNDS ARE LISTED AS
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Protect Eye: Y

Protect Skin: Y

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