Material Safety Data Sheet

H5447, PR5447
H5447-XT
Niacad Battery, Sealed
Quick Identifier: Common Name: (listed on label or box)
10V/1.5AH

SECTION 1 -
Manufacturer's Name
Alexander Mfg. Co.
Address
1511 S. Garfield Pl., P.O. Box 1508
City, State, and Zip
Mason City, Iowa 50401
Emergency Telephone No.
(515) 423-8955
Other Information Call
(515) 423-1161

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY
Hazardous Components (chemical & common names)
Nickel & Nickel Hydroxide 20-30% (Ni) 1mg/m³
Cadmium & Cadmium Hydroxide 13-15% (Cd) 0.2mg/m³
Potassium Hydroxide 2-4% as dry hydroxide 2mg/m³

NOTE: Alexander Mfg. Co. considers this battery an "article" as defined in 29 CFR 1910-1200 Section (c). Further, this article (battery) does not release or otherwise result in exposure to a hazardous chemical under the conditions of your intended use.
Each cell of the battery is a sealed container enclosing a nickel electrode, a cadmium electrode & potassium hydroxide electrolyte.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point
No info available
Method Used
No info available
Flash Point (Cts)
No info available

Auto-Ignition Temperature
No info available
Extinguisher Media
No info available

Special Fire Fighting Procedures
Wear self-contained breathing apparatus if large quantities of batteries are on fire. Warehouse or depot type storage.

Unusual Fire and Explosion Hazards
Cadmium fumes may be released during burning.
SECTION 5 - PHYSICAL HAZARDS (REACTION DATA)

Stability: Unstable  
Incompatibility: Materials to Avoid: No info available.

Decomposition Products: Cadmium fumes may be released during a fire.

Hazardous Polymerization: May occur  
Conditions: Will not occur  
to Avoid: No info available.

SECTION 6 - HEALTH HAZARDS

Acute: N/A  
See section 2.

2 Chronic: N/A

Signs and Symptoms of Exposure: NOTE: Under normal use, battery does not release toxic material.

Medical Conditions Generally Aggravated by Exposure: N/A

Chemical Listed as Carcinogen or Mutagen: N/A

Emergency and First Aid Procedures: See section 4.

ROUTES OF ENTRY

1. Inhalation: During a fire involving large quantities of batteries, Cadmium fumes may be released.

2. Eyes: If battery ruptures, skin contact may come into contact with trace amount of Potassium Hydroxide, will cause a burn.

3. Skin: If battery ruptures, skin contact may come into contact with trace amount of Potassium Hydroxide, will cause a burn.

4. Ingestion: N/A

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: No not incinerate or mutilate; may burst releasing toxic material.

Other Precautions: Do not short circuit the battery, it may cause burns when in contact with the skin or eyes.

Steps to be Taken in Case Material is Released or Spilled: Electrolyte, Potassium Hydroxide is caustic. Do not allow skin or eye contact. Flush with water. There is only a trace amount of Potassium Hydroxide available in the battery.

Waste Disposal: Methods (Consult federal, state, and local regulations): DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection: N/A

Ventilation: Local Exhaust: N/A  
Mechanical (General): N/A  
Special: N/A  
Other: N/A

Protective Clothing: N/A  
Eye Protection: N/A

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: N/A

IMPORTANT:

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.