

## Material Safety Data Sheet

### 1. Identification of the substance/preparation and of the company / undertaking

Product name: 1116 ACCU 2HR6 Ni-MH 2500mAh

Nominal Voltage: 1.2V

Chemical system: Ni/MH

Designed for recharge: Yes ☒ No ☐

Company name: Midi Piles Services  
ZAC du Parc des Florides  
13700 MARIGNANE

Tel: 0442027722

Fax: 0442029333

### 2. Hazards identifications

General advice: The common known rules for handling of chemicals should be obeyed. Do not eat and drink batteries. Keep batteries away from small children.

Physical-Chemical Hazards: This preparation is not classified as dangerous according to the criteria of directive 99/45/EEC.

Hazards to environment: N.A..

### 3. Compositions /Information on Ingredients

MATERIALS	CAS#	APPROXIMATE PERCENT OF TOTAL WEIGHT (~%)
Hydrogen absorbing alloy	/	38
Nickel, Nickel hydroxide	11113-74-9	32

### 4. First-aid measures

In case of electrolyte leakage, skin will be itchy when contaminated with electrolyte.

In contact with electrolyte can cause server irritation and chemical burns

Inhalation of electrolyte vapors may cause irritation of the upper respiratory tract and lungs.

If electrolyte leakage occurs and makes contact with skin, wash with plenty of water immediately

If electrolyte comes into contact with eyes, wash with copious amounts of water for fifteen (15) minutes, and contact a physician.

Ingestion: Electrolyte may cause irritation of mouth, throat, esophagus and stomach. Flush mouth with water, Call physician If patient is conscious,

### 5. Fire-fighting measures

Flash Point (Method Used)	Ignition Temp.	Flammable Limits	LEL	UEL
N.A.	N.A.	N.A.	N.A.	N.A.

Extinguishing Media: Carbon Dioxide, Dry Chemical or Foam extinguishers

Special Fire Fighting Procedures: N.A.

Unusual Fire and Explosion Hazards

Do not dispose of battery in fire - may explode.

Do not short-circuit battery - may cause burns.

### 6. Accidental release measures

Steps to Be Taken in Case Material is Released or Spilled

Batteries that are leakage should be handled with rubber gloves.  
Avoid direct contact with electrolyte.  
Wear protective clothing and a positive pressure Self-Contained Breathing Apparatus (SCBA).

## 7. Handling and storage

Safe handling and storage advice

1. Store Ni-MH batteries in a location with low humidity, no corrosive gases, no sunlight and below 35°C .  
Room ventilation is required for batteries utilized for standby power generation. Never recharge batteries in a sealed space.
2. Do not remove vent caps. Follow shipping and handling instructions that are applicable to the battery type. To avoid damage to terminals and seals, do not double-stack industrial batteries.

## 8. Exposure controls and personal protection

Exposition/Technical measures: Atmospheric vapour concentrations must be minimized by adequate ventilation.

Protection of hands, eyes and skin: None required under normal use conditions.

General safety and hygiene measures: Use only as directed.

## 9. Physical and chemical properties

Boiling Point N.A.	Specific Gravity (H <sub>2</sub> O=1) N.A.
Vapor Pressure (mm Hg) N.A.	Melting Point N.A.
Vapor Density (AIR=1) N.A.	Evaporation Rate (Butyl Acetate=1) N.A.
Solubility in Water N.A.	Appearance and Odor Cylinder and odorless

## 10. Stability and reactivity

Stability	Unstable		conditions to avoid
	Stable	√	

Incompatibility (Materials to avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		conditions to avoid
	Will not occur	√	

## 11. Toxicological information

Toxicity information is available on the battery ingredients noted in Section 2, but in general, N.A. to intact batteries.

Chronic health effects: N.A.

## 12. Ecological information

Not available

## 13. Disposable considerations

Dispose of the batteries according to the government regulations.

**14. Transport Information**

These batteries are considered to be "Dry cell" batteries and are unregulated for purposes of transportation by the U.S. Department of Transportation (DOT), International Civil Aviation Administration (ICAO), International Air Transport Association (IATA) and International Maritime Dangerous Goods Regulations (IMDG). The only DOT requirement for shipping these batteries is special provision 130 which states: "Batteries, dry are not subject to the requirements of this subchapter only when they are offered for transportation in a manner that prevents the dangerous evolution of heat (For example, by the effective insulation of exposed terminals). As of 1/1/97 IATA requires that batteries being transported by air must be protected from short-circuiting and protected from movement that could lead to short-circuiting

**15. Regulatory Information**

Special requirement be according to the local regulatory.

**16. Other information**

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