



PAK KO BATTERIES FACTORY LIMITED.

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FM 45768
BSENISO 9001:2000

Date : 28/6/2004

HEAVY DUTY DRY BATTERY

MODEL NO.: **6F22 / 9V / 216HD / 1222 / 1604 / S006P**

Notice : Blank spaces aren't permitted. If any item isn't applicable, no information is available, the space must be marked to indicate that.

NET WEIGHT: **36.5 grams** JACKET: **METAL**

MILLIMETER: **17.5 X 26.5 X 48.5**

Main Chemical Components

Manganese Dioxide	26.09%	Ammonium Chloride	8.70%
Zinc	8.80%	Iron	16.99%
Graphite	5.22%	Cadmium	< 0.002%
Zinc Chloride	3.31%	Lead	< 0.0001%

Fire & Explosion Hazard Data

Flash Point (Method Used) - Incombustible

Reactivity Data

Stability - Conditions to Avoid - Do not short - circuit, change or dispose of in fire.

Incompatibility (Materials to Avoid) - Hazardous polymerization will not occur.

Hazardous Polymerization - conditions to Avoid

Health Hazards Data

Route (s) of Entry - inhalation, skin & ingestion.

Health Hazards (Acute & Chronic) - These chemicals are contained in a sealed can, Risk of exposure occurs, only if battery is mechanically or electrically abused. The most likely risk is acute exposure when a cell vents KOH is caustic alkali and attack the skin and eyes. Contact of electrolyle with skin and eyes should be avoided.

Signs & Symptoms of Exposure - KOH can cause chemical burn upon contact with skin.



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Medical Conditions Generally Aggravated by Exposure - An acute exposure will not generally aggravate any medical help.

Emergency and First Aid Procedures - In case of skin contact with content of battery, flush immediately with water.

For eye contact, flush with copious amount of water for 10 minutes. If irritation persists, get medical help.

Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled - Wipe out by wet duster.

Waste disposal method - General abandonment

Precautions to be taken in handling and storing - Avoid mechanical or electrical abuse.

Other Precautions - Do not short circuit, charge or dispose of in fire. Battery may explode or leak.

Transportation Information

PAK KO 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.

Regulatory Information

Special requirement be according to the local regulatory bodies.

Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

Measures for fire extinction

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture. Fire fighters should wear self-contained breathing apparatus.