

MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER							
1.1	Product:	Nickel Metal Hydride Battery					
	Chemical System:	Nickel Metal Hydride					
	Designed for recharge:	Yes					
	Detail of Supplier:	Address: Power-Sonic Europe Ltd 3 Buckingham Square, Wickford, Essex SS118Q Contact: Ken Gainda Position: Technical Manager Telephone: 01268 560686 email: ken.gainda@power-sonic.co.uk					
2 HAZARDS IDENTIFICATION							
IMPORTANT NOTE: The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be							
2.1	The content of elements are based on homogeneous materials level of NiMH battery:						
	Element	Lead	Cadmium	Hexavalent Chromium (Cr6+)	Mercury	Polybrominated Biphenyls (PBBs)	Polybrominated Diphenyls Ethers(PBDEs)
	% W. t.	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1
2.2	The content of elements are based on total weight of NiMH battery:						
	MATERIAL OR INGREDIENTS		% W. t.				
	Nickel as Nickel Hydroxide		30-50				
	Nickel Oxide						
	Nickel Powder						
	Potassium Hydroxide		< 5				
	Cobalt as Cobalt Metal		2.5-6.0				
	Cobalt Oxide						
	Cobalt Hydroxide						
	Sodium Hydroxide		< 3				
	Zinc as Zinc Metal		< 3				
	Zinc Oxide						
	Zinc Hydroxide						
	Mercury		0-0.0005				
	Lead as Lead Metal		0-0.004				
	Lead Oxide						
	Cadmium as Cadmium Metal		<0.002				
	Cadmium Oxide						
	Cadmium Hydroxide						
	Hexavalent Chromium (Cr6+)		0-0.0005				
	Polybrominated Biphenyls (PBBs)		Nil				
	Polybrominated Diphenyls Ethers(PBDEs)		Nil				
3 PHYSICAL/ CHEMICAL CHARACTERISTICS							
	Boiling Point		N.A.				
	Vapour Pressure (mm Hg)		N.A.				
	Vapour Density (AIR=1)		N.A.				
	Specific Gravity (H2O=1)		N.A.				
	Melting Point		N.A.				
	Evaporation Rate (Butyl Acetate)		N.A.				
	Solubility in Water		N.A.				
	Appearance and Odour		Cylindrical Shape, Odourless				



10	EXPOSURE CONTROLS/ PERSON PROTECTION		
	Occupational Exposure Limits: LTEP N.A.		STEP N.A.
	Respiratory Protection (Specify Type) N.A.		
	Ventilation	Local Exhausts N.A.	Special N.A.
		Mechanical (General) N.A.	Other N.A.
	Protective Gloves N.A.		Eye Protection N.A.
	Other Protective Clothing or Equipment N.A.		
	Work / Hygienic Practices N.A.	N.A.	
11	ECOLOGICAL INFORMATION		
	N.A.		
12	DISPOSAL METHOD		
	Dispose of batteries according to government regulations.		
13	TRANSPORT INFORMATION		
	Power-Sonic Europe Ltd hereby certify that the above NiMH cylindrical batteries are non-dangerous and non-hazardous materials for air transport in any nature. The consignment is fully described by the proper shipping name and packed to prevent short circuit and from movement that could lead to short-circuiting, marked and in proper conditions for carriage conditions by air. We here certify that the above batteries are not classified as dangerous under the current edition of IATA. Dangerous Goods Regulations and comply to the provision of A199 and all applicable and government regulations.		
14	REGULATORY INFORMATION		
	Special requirement be according to the local regulatory.		
15	OTHER INFORMATION		
	The data in this Material Safety Data Sheet relates only to the specific material designated herein.		
16	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.		