GP Batteries

Material Safety Data Sheet

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Note: Blank sp	aces are not permitted if a	ny item is not appli	cable or no information is	available, the space must be marked to i	ndicate that.
Identity (As U	sed on Label and List)			Part Number	
	GP2		,	GP23A	
Section I-	 Information of 	Manufacture	er		
Manufacturer's	Name				
	GP Batteries Internatio	nal Ltd.			
Address (Numb	ber, Street, City, State, and	ZIP Code)			
<u> </u>					
	I - Hazardous In	gredients/Id	entity Information	on	
Hazardous Cor	mponents:				
Description:			Approximate %	of total weight	
4:			17.0	Willer	
manganese die	oxide		17.9 5.2	Wt%	
zinc			0.17	Wt%	
lead			0.0028	Wt%	
cadmium			Nil		
	oxide and potassium		6.5	Wt%	
-	xture, 30-35% solution				
Section II Form	II - Physical/Che	mical Chara	Specific Gravity (H2C	D=1)	
	N.A	Α.		N.A.	
Boiling point			Melting Point		
	N.A	Α.			
Vapor Pressure		Evaporation Rate			
		N.A. (Butyl Acetate = 1) N.A.			
Vapor Density			pН	N. A	
Colubility in W	N.A	A.	Ammanana and Odan	N.A.	
Solubility in W	vater N.		Appearance and Odor	N.A.	
Section IV	V - Hazard class		_	N.A.	
Section	V - Hazaiu Ciass	ilication			
	N.A				
Section \	/ - Reactivity Da				
	_ 	Conditions to A	waid		
Stability Vac - (Y)	Unstable	Conditions to A	void		
Yes = (X)	Stable				
	(X)	•			
Incompatibility	y (Materials to Avoid)				
	, ,,				
Hazardous Dec	composition or Byproduct	s			
		y emit hazard		OH/NaOH and Hg	
Hazardous	May Occur	Conditions to A			
reactions	()	1			
Yes = (X)	Will Not Occur				
	1 (X)	1			

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Section VI - Health Haz	Inhalation?	Skin?	Ingestion?		
Xoute(s) of Entry Tes = (X)	(N.A.)	(N.A.)	(N.A.)		
Health Hazard (Acute and Chronic)			(11.21)		
In case of electrolyte le	aakaga ekin will	ha itchy whan con	taminated s	with alactrol	luto
in case of electrolyte is	eakage, skiii wiii	be itely when con	itammateu v	viui electroi	lyte.
.					
Section VII - First Aid I	Measures	_			
First aid Procedures					
If alastrolyta lankaga	agairs and makes	contact with skin	weeh imm	adiataly	
If electrolyte leakage of	occurs and makes	Contact with Skill	, wasii iiiiii	ediately.	
If electrolyte comes in	nto contact with e	yes, wash with co	pious amou	ints of wate	r for fifteen
If electrolyte comes in		eyes, wash with co	pious amou	ints of wate	er for fifteen
minutes, and contact a	physician.		pious amou	ints of wate	er for fifteen
minutes, and contact a Section VIII - Fire and	physician. Explosion Haza	rd Data	pious amou		
minutes, and contact a Section VIII - Fire and Flash Point (Method Used)	physician. Explosion Haza Ignition temp.			LEL	UEL
minutes, and contact a Section VIII - Fire and	physician. Explosion Haza	rd Data	n.a.		
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A.	physician. Explosion Haza Ignition temp.	rd Data		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures	physician. Explosion Haza Ignition temp.	rd Data		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures N.A.	Explosion Haza Ignition temp. N.A.	rd Data		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures	Explosion Haza Ignition temp. N.A.	rd Data Flammable Limits		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures N.A. Unusual Fire and Explosion Hazard	Explosion Haza Ignition temp. N.A. sery in fire - may 6	rd Data Flammable Limits explode.		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures N.A. Unusual Fire and Explosion Hazard Do not dispose of batte	Explosion Haza Ignition temp. N.A. sery in fire - may cause	rd Data Flammable Limits explode.		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures N.A. Unusual Fire and Explosion Hazard Do not dispose of batto Do not short-circuit be Section IX - Accidenta	Explosion Haza Ignition temp. N.A. sery in fire - may cause attery - may cause I Release or Spi	rd Data Flammable Limits explode.		LEL	UEL
minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures N.A. Unusual Fire and Explosion Hazard Do not dispose of batte	Explosion Haza Ignition temp. N.A. sery in fire - may cause attery - may cause I Release or Spi	rd Data Flammable Limits explode.		LEL	UEL
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minutes, and contact a Section VIII - Fire and Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures N.A. Unusual Fire and Explosion Hazard Do not dispose of batto Do not short-circuit be Section IX - Accidenta	I physician. Explosion Haza Ignition temp. N.A. sery in fire - may cause attery - may cause I Release or Spilled	rd Data Flammable Limits explode. e burns. illage	N.A.	LEL	UEL
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	X - Handling and S and storage advice	Ü	
The bat	ttery is extremely se	ensitive to adv	verse effects of humidity. Be sure to store them in a
place w	hich is dry and subj	ject to little te	emperature change. Do not place near the boiler or
radiato	r, nor expose to dire	ect sun light.	Do not dispose of the battery in fire. Do not charge
the batt	terv. Do not short-c	circuit the bat	tery. Do not put in backward position. Do not
	=		al objects to be mixed with stored batteries. Do not
	-		<u>.</u>
	mble the battery, ha	naling in sucl	h manner can cause the battery to explode, leak and
injury.			
	XI - Exposure Con		
Occupational	Exposure Limits :	LTEP N.A.	STEP N.A.
Respiratory P	rotection (Specify Type)		1741
Ventilation	Local Exhausts	N.A.	Special
		N.A.	N.A.
	Mechanical (General)	XX 4	Other
Protective Glo	oves	N.A.	N.A. Eye Protection
Total Total	0103	N.A.	N.A.
Other Protect	ive Clothing or Equipment		
Work/Hygeni	c Practices	N.A.	
,, ork/11ygcIII	c i ractices	N.A.	
	XII - Ecological Info	ormation	
Section 2			
Section 2			
Section 2		N.A.	
Section 2		N.A.	
	XIII - Disposal Met		
	XIII - Disposal Met		

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