

Material Safety Data Sheet

Model No.: GP27A

Note: Blank spaces are not p	permitted if any item is no	t applicable or no information is	available, the space must be marked to indic	ate that.
Identity (As Used on Label	and List)		Part Number	
	GP27A		GP27A	
Section I- Informa	ation of Manufac	cturer	•	
Manufacturer's Name				
	es International Ltd.			
Address (Number, Street, Ci	ity, State, and ZIP Code)			
Section II - Hazar	dous Ingredient	ts/Identity Information	on	
Hazardous Components:			···	
Description:		Approximate %	oftotal weight	
manganese dioxide		16.0	Wt%	
zinc mercury		5.0 0.16	Wt% Wt%	
lead		0.0027	Wt%	
cadmium		Nil		
sodiumhydroxide and pot	assium	5.7	Wt%	
hydroxide mixture, 30-359	% solution			
Section III - Physi	ical/Chemical C	haracteristics		
	ical/Chemical C	haracteristics Specific Gravity (H2C	D=1) N.A.	
Form				
Form Boiling point		Specific Gravity (H2C		
Form Boiling point	N.A.	Specific Gravity (H2C	N.A.	
Form Boiling point Vapor Pressure (mm Hg)	N.A.	Specific Gravity (H2C Melting Point Evaporation Rate (Butyl Acetate =1)		
Form Boiling point Vapor Pressure (mm Hg)	N.A.	Specific Gravity (H2C	N.A.	
Form Boiling point Vapor Pressure (mm Hg) Vapor Density (AIR =1)	N.A. N.A.	Specific Gravity (H2C Melting Point Evaporation Rate (Butyl Acetate =1)	N.A. N.A.	
Form Boiling point Vapor Pressure (mm Hg) Vapor Density (AIR =1) Solubility in Water	N.A. N.A. N.A.	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mm Hg) Vapor Density (AIR =1) Solubility in Water	N.A. N.A. N.A.	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mm Hg) Vapor Density (AIR =1) Solubility in Water	N.A. N.A. N.A. N.A. N.A. Ard classification	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza	N.A. N.A. N.A. N.A. N.A. Ard classification N.A.	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza	N.A. N.A. N.A. N.A. N.A. Ard classification N.A. etivity Data	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza Section V - Reac Stability Unstable	N.A. N.A. N.A. N.A. N.A. Ard classification N.A. etivity Data	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza Section V - Reac Stability Unstable	N.A. N.A. N.A. N.A. N.A. Ard classification N.A. etivity Data	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza Section V - Reac Stability Unstable Yes = (X) (N.A. N.A. N.A. N.A. Ind classification N.A. Stivity Data Condition	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza Section V - Reac Stability Yes = (X) (Stable (X)	N.A. N.A. N.A. N.A. Ind classification N.A. Stivity Data Condition	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza Section V - Reac Stability Yes = (X) Incompatibility (Materials t	N.A. N.A. N.A. N.A. Ind classification N.A. Stivity Data Condition On Avoid	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A.	
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Yes = (X) (Stable (X) Incompatibility (Materials the standardous Decomposition of When heated, based on the standardous Decomposition of the standardous Decompositi	N.A. N.A. N.A. N.A. N.A. Ird classification N.A. Condition One of the products of the products of the products of the product of the	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor ans to Avoid	N.A. N.A. N.A.	
Form Boiling point Vapor Pressure (mmHg) Vapor Density (AIR =1) Solubility in Water Section IV - Haza Section V - Reac Stability Yes = (X) Incompatibility (Materials that the standardous Decomposition of When heated, based that the standardous May Occur	N.A. N.A. N.A. N.A. N.A. Ird classification N.A. Condition One of the products of the products of the products of the product of the	Specific Gravity (H2C) Melting Point Evaporation Rate (Butyl Acetate = 1) pH Appearance and Odor	N.A. N.A. N.A.	

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Section VI - Health Route(s) of Entry Yes = (X)	Inhalation?	Skin?	Ingestion?		
tioute(s) or Entry Tes (11)	(N.A.)	(N.A.)	(N.A.)		
Health Hazard (Acute and Chro	nic) / Toxicological in				
In case of electroly	rte leakage skin	will be itchy wh	nen contaminated	with electro	lyte
In case of electrony	te leakage, skii	win be keny wi	ien contaminated	with electro	Tyte.
Section VII - First A	id Measures				
First aid Procedures	iu ivicasures				
TO 1					
If electrolyte leakag	ge occurs and n	nakes contact w	ith skin, wash im	mediately.	
				•	
If electrolyte come	s into contact v	vith eves, wash			er for fifteen
If electrolyte come	s into contact v	vith eyes, wash			er for fifteen
If electrolyte come		with eyes, wash			er for fifteen
minutes, and conta	ct a physician.	Hazard Data			er for fifteen
minutes, and conta Section VIII - Fire a Flash Point (Method Used)	ct a physician. nd Explosion I	Hazard Data emp. Flammab	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A.	ct a physician.	Hazard Data emp. Flammab	with copious amo	ounts of water	
minutes, and conta Section VIII - Fire a Flash Point (Method Used)	ct a physician. nd Explosion I	Hazard Data emp. Flammab	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media	ct a physician. nd Explosion Ignition t N.	Hazard Data emp. Flammab	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A.	ct a physician. nd Explosion Ignition t N.A	Hazard Data emp. Flammab	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A. Unusual Fire and Explosion Ha	ct a physician. nd Explosion Ignition t N.a	Hazard Data emp. Flammabi A.	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A.	ct a physician. nd Explosion Ignition t N.a	Hazard Data emp. Flammabi A.	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A. Unusual Fire and Explosion Ha	ct a physician. nd Explosion Ignition t N.a	Hazard Data emp. Flammabi A. may explode.	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A. Unusual Fire and Explosion Ha Do not dispose of l	ct a physician. nd Explosion Ignition t N. es nzards pattery in fire -	Hazard Data emp. Flammabi A. may explode. cause burns.	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A. Unusual Fire and Explosion Ha Do not dispose of l	ct a physician. Ignition t N. associated it battery - may ntal Release of	Hazard Data emp. Flammabi A. may explode. cause burns. or Spillage	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A. Unusual Fire and Explosion Ha Do not dispose of I Do not short-circus Section IX - Acciden	ct a physician. Ignition t N. associated it battery - may ntal Release of	Hazard Data emp. Flammabi A. may explode. cause burns. or Spillage	with copious amo	ounts of wate	UEL
minutes, and conta Section VIII - Fire a Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedure N.A. Unusual Fire and Explosion Ha Do not dispose of I Do not short-circus Section IX - Accident Steps to Be Taken in Case Mate	es Izards battery in fire - it battery - may ntal Release or rial is Released or Spil	Hazard Data emp. Flammabi A. may explode. cause burns. or Spillage	with copious amo	ounts of wate	UEL
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Revision: 0

GP Batteries

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Section X - Handling a Safe handling and storage advice	and Storage	
The hattery is extreme	ely sensitive to adv	verse effects of humidity. Be sure to store them in a
	-	emperature change. Do not place near the boiler or
-		Do not dispose of the battery in fire. Do not charg
-		ttery. Do not put in backward position. Do not
-		al objects to be mixed with stored batteries. Do not
disassemble the batter	y, handling in such	h manner can cause the battery to explode, leak and
injury.		
Occupational Exposure Limits :	LTEP N.A.	onal Protection STEP N.A.
Occupational Exposure Limits :	LTEP N.A.	STEP
Occupational Exposure Limits: Respiratory Protection (Specify Type	LTEP N.A. De) N.A.	STEP N.A.
Occupational Exposure Limits: Respiratory Protection (Specify Type	N.A. N.A. N.A.	STEP N.A. Special N.A. Other
Decupational Exposure Limits: Respiratory Protection (Specify Type Ventilation Local Exhausts Mechanical (Gener	LTEP N.A. De) N.A.	STEP N.A. Special N.A.
Mechanical (Gener	N.A. N.A. N.A. N.A. N.A.	STEP N.A. Special N.A. Other N.A.
Decupational Exposure Limits: Respiratory Protection (Specify Type Ventilation Local Exhausts Mechanical (Gener Protective Gloves December 1970 December 1970 December 2970 Decem	N.A. N.A. N.A. N.A. N.A.	STEP N.A. Special N.A. Other N.A. Eye Protection
Occupational Exposure Limits : Respiratory Protection (Specify Type Ventilation Local Exhausts Mechanical (Gener	N.A. N.A. N.A. N.A. N.A.	STEP N.A. Special N.A. Other N.A. Eye Protection
Respiratory Protection (Specify Type Ventilation	N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A.	STEP N.A. Special N.A. Other N.A. Eye Protection
Decupational Exposure Limits: Respiratory Protection (Specify Type Ventilation Local Exhausts Mechanical (Gener Protective Gloves Other Protective Clothing or Equip Work/Hygenic Practices	N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A.	STEP N.A. Special N.A. Other N.A. Eye Protection
Cecupational Exposure Limits: Respiratory Protection (Specify Type Ventilation Local Exhausts Mechanical (Gener Protective Gloves Other Protective Clothing or Equip Work/Hygenic Practices	N.A.	STEP N.A. Special N.A. Other N.A. Eye Protection
Decupational Exposure Limits: Respiratory Protection (Specify Type Ventilation Local Exhausts Mechanical (Gener Protective Gloves Other Protective Clothing or Equip Work/Hygenic Practices	N.A. N.A.	STEP N.A. Special N.A. Other N.A. Eye Protection