

I. PRODUCT IDENTIFICATION			
Chemical Trade Name (as used on la	abel):	Chemical Family/Classification:	
Lead-Acid Battery, Wet		Electric Storage Battery	
Synonyms:			
Industrial Battery, Traction Battery, St	ationary Battery,	<b>Telephone:</b>	
Deep Cycle Battery		For information and emergencies, contact H	awker's
Manufacturer's Name/Address:		Environmental, Health & Safety Dept. at 42	3-238-5700
Hawker Powersource	Canada Corporate Office		
P.O. Box 808	3-61 Parr Boulevard	24-Hour Emergency Response Contact:	
0404 Ooltewah Indsutrial Drive	Bolton, Ontario	CHEMTREC DOMESTIC: 800-424-9300	CHEMTREC INT'L: 703-527-3877
Doltewah, TN 37363	L7E 4E3		
I GHS HAZARDS IDENTIFICATI	ON		
HEALTH	H	ENVIRONMENTAL	PHYSICAL
Acute Toxicity		Aquatic Chronic 1	Explosive Chemical, Division 1.3
Oral/Dermal/Inhalation)	Category 4	Aquatic Acute 1	* · · ·
Skin Corrosion/Irritation	Category 1A		
Eye Damage	Category 1		
Reproductive	Category 1A		
Carcinogenicity (lead compound	Category 1B		
Carcinogenicity (arsenic)	Category 1A		
Carcinogenicity (acid mist)	Category 1A		
Specific Target Organ	Category 2		
Foxicity (repeated exposure)	0.1		
GHS LABEL:			
GHS LABEL: HEALTH	A	ENVIRONMENTAL	PHYSICAL
		ENVIRONMENTAL	PHYSICAL
HEALTH		ENVIRONMENTAL	PHYSICAL
HEALTH	A contraction of the second se	Precautionary Statements	PHYSICAL
HEALTH HEALTH Hazard Statements DANGER!		Precautionary Statements Wash thoroughly after handling.	PHYSICAL
HEALTH The second seco	eye damage.	<b>Precautionary Statements</b> Wash thoroughly after handling. Do not eat, drink or smoke when using this product.	
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HEALTH The second seco	eye damage. Ild if ingested or d. em, blood and	Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing, eye protection/face pro Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.	tection.
HEALTH The second seco	eye damage. ild if ingested or d. em, blood and l exposure.	Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing, eye protection/face pro Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contact with internal components may cause irritation or severe bu	tection.
HEALTH The ALTH HEAL	eye damage. ild if ingested or d. em, blood and l exposure. iring charging.	Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing, eye protection/face pro Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contact with internal components may cause irritation or severe bu Irritating to eyes, respiratory system, and skin. Obtain special instructions before use.	tection.
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HEALTH HEALTH HEALTH Hazard Statements DANGER! Causes severe skin burns and serious e May damage fertility or the unborn chi nhaled. May cause cancer if ingested or inhalee Causes damage to central nervous syste cidneys through prolonged or repeated May form explosive air/gas mixture du Explosive, fire, blast, or projection haz May cause harm to breast-fed children	eye damage. ild if ingested or d. em, blood and exposure. iring charging. zard.	Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing, eye protection/face pro Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contact with internal components may cause irritation or severe bu Irritating to eyes, respiratory system, and skin. Obtain special instructions before use. Do not handle until all safety precautions have been read and under Avoid contact during pregnancy/while nursing	tection. rrns. Avoid contact with internal acid.
HEALTH HEALTH HEALTH HEALTH Hazard Statements DANGER! Causes severe skin burns and serious e May damage fertility or the unborn chi inhaled. May cause cancer if ingested or inhale Causes damage to central nervous syste kidneys through prolonged or repeated May form explosive air/gas mixture du Explosive, fire, blast, or projection haz May cause harm to breast-fed children Harmful if swallowed, inhaled, or cont	eye damage. ild if ingested or d. em, blood and exposure. tring charging. eard.	Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing, eye protection/face pro Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contact with internal components may cause irritation or severe bu Irritating to eyes, respiratory system, and skin. Obtain special instructions before use. Do not handle until all safety precautions have been read and unde	tection.
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# III. COMPOSITION/INFORMATION ON INGREDIENTS

	-	
Components	CAS Number	Approximate % by
		Wt.
Inorganic Lead Compound:		
Lead	7439-92-1	60-70
* Antimony	7440-36-0	2
* Arsenic	7440-38-2	0.2
* Calcium	7440-70-2	0.04
* Tin	7440-31-5	0.2
Electrolyte (Sulfuric Acid (H2SO4/H2O))	7664-93-9	10-30
Case Material:		5-10
Polypropylene	9003-07-0	
Polystyrene	9003-53-6	
Styrene Acrylonitrile	9003-54-7	
Acrylonitrile Butadiene Styrene	9003-56-9	
Styrene Butadiene	9003-55-8	
Polyvinylchloride	9002-86-2	
Polycarbonate, Hard Rubber, Polyethylene	9002-88-4	



### SAFETY DATA SHEET

				ECO #: 10	002195			
Other:								
	Silicon Dioxide (Gel batteries only)	7631-86-9	1-5					
	Sheet Molding Compound							
	(Glass reinforced polyester)							
	Inorganic lead and electrolyte (sulfuric acid) are the prin	nary components of ev	very battery manufacture	ed by Hawker.				
	Other ingredients may be present dependent upon batter	ry type. Contact your	Hawker representative f	or additional information.				
IV. FIRS	T AID MEASURES							
Inhalatior								
	Sulfuric Acid: Remove to fresh air immediately. If bre	• •	e oxygen. Consult a phys	ician				
	Lead: Remove from exposure, gargle, wash nose and li	ps; consult physician.						
Ingestion:	<u> </u>							
	Sulfuric Acid: Give large quantities of water; do not induce vomiting or aspiration into the lungs may occur and can cause permanent injury or death;							
	consult a physician							
	Lead: Consult physician immediately.							
Skin:								
	Sulfuric Acid: Flush with large amounts of water for at	least 15 minutes; rem	ove contaminated clothi	ng completely, including shoes.				
l I	If symptoms persist, seek medical attention. Wash conta	aminated clothing befo	re reuse. Discard contai	ninated shoes				
	Lead: Wash immediately with soap and water.							
Eyes:								
	Sulfuric Acid and Lead: Flush immediately with large a	amounts of water for a	least 15 minutes while	ifting lids				
	Seek immediate medical attention if eyes have been exp	osed directly to acid.						
V. FIRE	FIGHTING MEASURES							
Flash Poir	nt: N/A	Flammable Limits:	LEL = 4.1% (Hydroger	Gas) UEL = 74.2%				
Extinguis	hing Media: CO2; foam; dry chemical. Do not use carbon	dioxide directly on ce	lls. Avoid breathing va	ors. Use appropriate media for surrounding fire.				
Special Fi	ire Fighting Procedures:							
	If batteries are on charge, shut off power. Use positive	pressure, self-containe	ed breathing apparatus.	Water applied to electrolyte generates				
	heat and causes it to spatter. Wear acid-resistant clothin	ng, gloves, face and ey	e protection.					
	But note that strings of series connected batteries may s		•	ging equipment is shut down.				
Unusual F	Fire and Explosion Hazards:	*	,					
	Highly flammable hydrogen gas is generated during cha	rging and operation of	batteries. To avoid risl	t of fire or explosion, keep sparks or other				
	sources of ignition away from batteries. Do not allow n	netallic materials to sir	nultaneously contact ne	gative and positive terminals of cells and				
	batteries. Follow manufacturer's instructions for installa							
VI. ACCI	IDENTAL RELEASE MEASURES							
	eak Procedures:							
<u></u>	Stop flow of material, contain/absorb small spills with d	lrv sand, earth, and ver	miculite. Do not use co	mbustible materials. If possible, carefully				
	neutralize spilled electrolyte with soda ash, sodium bica	•		· ·				
	allow discharge of unneutralized acid to sewer. Acid mu							
	Consult state environmental agency and/or federal EPA	-	stude with focul, stude	and rederar requirements.				
VII HAN	NDLING AND STORAGE	•						
Handling:								
	• volved in recycling operations, do not breach the casing or o	ampty the contents of t	he battery. Handle caret	ully and avoid tinning				
	y allow electrolyte leakage. There may be increasing risk of							
-	ainers tightly closed when not in use. If battery case is bro		-	nes.				
				ators to say into a second distance of a distance of structure				
	caps on and cover terminals to prevent short circuits. Plac							
· ·	y from combustible materials, organic chemicals, reducing	substances, metals, sti	ong oxidizers and water	. Use banding or stretch wrap to secure items for				
shipping.								
Storage:	e e a a a secondo e	c 1 1	, • , • .•					
	eries in cool, dry, well-ventilated areas with impervious sur	-		*				
	ored under roof for protection against adverse weather cond	•	· ·	-				
	ith adequate water supply and spill control. Avoid damage		way from fire, sparks a	d heat. Keep away from metallic objects could				
bridge the	terminals on a battery and create a dangerous short-circuit							
Charging	:							
There is a	possible risk of electric shock from charging equipment an	d from strings of serie	s connected batteries, w	hether or not being charged. Shut-off power to				
chargers w	whenever not in use and before detachment of any circuit co	onnections. Batteries b	eing charged will genera	te and release flammable hydrogen gas.				
Charging s	space should be ventilated. Keep battery vent caps in positi	on. Prohibit smoking	and avoid creation of fla	mes and sparks nearby.				
Wear face	and eye protection when near batteries being charged.	-						



# VIII EXPOSURE CONTROL S/PERSONAL PROTECTION

VIII. EXPOSURE CONTROLS/	PERSONAL PROTECTION				Ex	CO #: 1002195
Exposure Limits (mg/m3) Note: N						
r a c g b / a c						
INGREDIENTS	OSHA PEL	ACGIH	US NIOSH	Quebec PEV	Ontario OEL	EU OEL
(Chemical/Common Names)	obini i bb	neoni	es rues r	Queeteril		
Lead and Lead Compounds						
(inorganic)	0.05	0.05	0.05	0.05	0.05	0.15 (b)
Antimony	0.5	0.5	0.5	0.5	0.5	0.5 (b,e)
Arsenic	0.01	0.01	0.002	0.2	0.01	N.E
Calcium	N.E	N.E	N.E	N.E	N.E	N.E
Tin	2	2	2	2	2	N.E
Electrolyte (Sulfuric Acid)	1	0.2	1	1	0.2	0.05 (c)
Polypropylene	N.E	N.E	N.E	N.E	N.E	N.E
Polystyrene	N.E	N.E	N.E	N.E N.E	N.E N.E	N.E
Styrene Acrylonitrile	N.E	N.E N.E	N.E N.E	N.E N.E	N.E N.E	N.E
Acrylonitrile Butadiene	N.E	IN.E	IN.L	11.12	N.E	N.L
Styrene	N.E	N.E	N.E	N.E	N.E	N.E
Styrene Butadiene	N.E	N.E	N.E	N.E	N.E	N.E
Polyvinylchloride	N.E	N.E	N.E	N.E	1	N.E
Polycarbonate, Hard	11.2	11.12	11.12	11.12	1	I.L
Rubber, Polyethylene	N.E	N.E	N.E	N.E	N.E	N.E
Silicon Dioxide	N.E	IN.E	IN.E	IN.E	N.E	N.E
(Gel Batteries Only)	N.E	N.E	N.E	N.E	N.E	N.E
Ger Batteries Only)	IN.E	IN.E	IN.L	11.12	N.E	N.L
Sheet Molding Compound						
(Glass reinforced polyester)	N.E	N.E	N.E	N.E	N.E	N.E
NOTES:						
b) As inhalable aerosol						
c) Thoracic fraction						
(e) Based on OEL;s Of Austria, Belg	gium, Denmark, France, Nether	lands, Switzerland, & U	.K.			
Engineering Controls (Ventilation	<u>):</u>					
Store and handle in we	ll-ventilated area. If mechanica	I ventilation is used, con	mponents must be acid	-resistant.		
Handle batteries cautio	usly to avoid spills. Make certa	ain vent caps are on secu	arely. Avoid contact w	ith internal component	<ol> <li>Wear protective</li> </ol>	
clothing, eye and face J	protection when filling, chargin	g or handling batteries.	Do not allow metallic n	naterials to simultaneou	usly contact both the	
positive and negative to	erminals of the batteries. Charg	e the batteries in areas v	vith adequate ventilatio	n. General dilution ver	tilation is acceptable.	
Respiratory Protection (NIOSH/N	ISHA approved):					
None required under no	ormal conditions. When concer	ntrations of sulfuric acid	mist are known to exc	eed the PEL, use NIOS	H or MSHA-approved	
respiratory protection.						
Skin Protection:						
If battery case is damage	ged, use rubber or plastic acid-r	esistant gloves with elbo	ow-length gauntlet, acid	l-resistant apron, clothi	ing and boots.	
Eye Protection:	-			-		
	ged, use chemical goggles or fa	ce shield.				
Other Protection:	~ ~~					
In areas where sulfuric	acid is handled in concentratio	ns greater than 1%, eme	rgency eyewash station	is and showers should l	be provided,	
with unlimited water su	apply. Acid-resistant apron. Ur	nder severe exposure em	ergency conditions, we	ar acid-resistant clothi	ng and boots.	
	led when adding water or electr	•			-	
X. PHYSICAL AND CHEMICAL	<u>v</u>					
Properties Listed Below are for El						
Boiling Point:	•	203 - 240° F	Specific Gravity (H2	20 = 1):	1.215 to 1.350	
Melting Point:		N/A	Vapor Pressure (mn			
			vapor r ressure (init	1 <b>ng</b> ):	10	

Melting Point:	N/A	Vapor Pressure (mm Hg):	10
Solubility in Water:	100%	Vapor Density (AIR = 1):	Greater than 1
Evaporation Rate: (Butyl Acetate = 1)	Less than 1	% Volatile by Weight:	N/A
pH:	~1 to 2	Flash Point:	Below room temperature (as hydrogen gas)
LEL (Lower Explosive Limit)	4.1% (Hydrogen)	UEL (Upper Explosive Limit)	74.2% (Hydrogen)
Appearance and Outri.	Manufactured article; Electrolyte is a clear li	no apparent odor. iquid with a sharp, penetrating, pungent odor.	



		ECO #:	1002195
	LITY AND REACTIVITY		
Stability:	Stable X_ Unstable		
This prod	uct is stable under normal conditions at ambient temperature		
Condition	s To Avoid: Prolonged overcharge; sources of ignition		
Incompati	bility: (Materials to avoid)		
	Sulfuric Acid: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents,		
	metals, sulfur trioxide gas, strong oxidizers and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable		
	hydrogen gas.		
	Lead Compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen		
	and reducing agents.		
	Arsenic compounds: strong oxidizers; bromine azide. NOTE: hydrogen gas can react with inorganic arsenic to form the highly toxic gas-arsine.		
Hozordou	s Decomposition Products:		
11azai uou:	Sulfuric Acid: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, and hydrogen sulfide.		
	Lead Compounds: High temperatures likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent		
(T	hydrogen may generate highly toxic arsine gas.		
Hazardou	s Polymerization:		
	Will not occur	_	
	COLOGICAL INFORMATION		
Routes of 1			
	Sulfuric Acid: Harmful by all routes of entry.		
	Lead Compounds: Hazardous exposure can occur only when product is heated, oxidized or otherwise processed or damaged to create dust, vapor		
	or fume. The presence of nascent hydrogen may generate highly toxic arsine gas.		
Inhalation			
	Sulfuric Acid: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation.		
	Lead Compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.		
Ingestion:			
	Sulfuric Acid: May cause severe irritation of mouth, throat, esophagus and stomach.		
	Lead Compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea and severe cramping. This may lead rapidly to system	ic	
	toxicity and must be treated by a physician.		
Skin Conta	act:		
	Sulfuric Acid: Severe irritation, burns and ulceration.		
	Lead Compounds: Not absorbed through the skin.		
	Arsenic Compounds: Contact may cause dermatitis and skin hyper pigmentation.		
Eye Conta	et:		
	Sulfuric Acid: Severe irritation, burns, cornea damage, and blindness.		
	Lead Components: May cause eye irritation.		
Effects of	Overexposure - Acute:		
	Sulfuric Acid: Severe skin irritation, damage to cornea, upper respiratory irritation.		
	Lead Compounds: Symptoms of toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep		
	disturbances and irritability.		
Effects of	Overexposure - Chronic:		
Lifetts of	Sulfuric Acid: Possible erosion of tooth enamel, inflammation of nose, throat and bronchial tubes.		
	Lead Compounds: Anemia; neuropathy, particularly of the motor nerves, with wrist drop; kidney damage; reproductive changes in males and		
	females. Repeated exposure to lead and lead compounds in the workplace may result in nervous system toxicity. Some toxicologists report abnorn	nal	
	conduction velocities in persons with blood lead levels of 50mcg/100 ml or higher. Heavy lead exposure may result in central nervous system dates and the second states and the		
		nage,	
Canal	encephalopathy and damage to the blood-forming (hematopoietic) tissues.		
Carcinoge			
	Sulfuric Acid: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a		
	Group 1 carcinogen, a substance that is carcinogenic to humans. This classification does not apply to liquid forms of sulfuric acid or sulfuric		
	acid solutions contained within a battery. Inorganic acid mist (sulfuric acid mist) is not generated under normal use of this product. Misuse of the	e	
	product, such as overcharging, may result in the generation of sulfuric acid mist.	•••	
	Lead Compounds: Lead is listed as a Group 2A carcinogen, likely in animals at extreme doses. Per the guidance found in OSHA 29 CFR 1910.1	200	
	Appendix F, this is approximately equivalent to GHS Category 1B. Proof of carcinogenicity in humans is lacking at present.		
	Appendix F, this is approximately equivalent to GHS Category 1B. <u>Proof of carcinogenicity in humans is lacking at present</u> . <u>Arsenic</u> : Arsenic is listed by IARC as a Group 1 - carcinogenic to humans. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, thi	s is	
		s is	
<u>Medical</u> C	Arsenic: Arsenic is listed by IARC as a Group 1 - carcinogenic to humans. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, this	s is	
Medical C	Arsenic: Arsenic is listed by IARC as a Group 1 - carcinogenic to humans. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, this approximately equivalent to GHS Category 1A.		
<u>Medical C</u>	<u>Arsenic</u> : Arsenic is listed by IARC as a Group 1 - carcinogenic to humans. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, thi approximately equivalent to GHS Category 1A. Conditions Generally Aggravated by Exposure:		



Acute Toxicity: Inhalation LD50:

<u>Electrolyte:</u> LC50 rat: 375 mg/m3; LC50: guinea pig: 510 mg/m3 <u>Elemental Lead:</u> Acute Toxicity Point Estimate = 4500 ppmV (based on lead bullion) <u>Elemental Arsenic:</u> No data

Oral LD50:

#### Electrolyte: rat: 2140 mg/kg

Elemental Lead: Acute Toxicity Estimate (ATE) = 500 mg/kg body weight (based on lead bullion) Elemental Arsenic: LD50 mouse: 145 mg/kg Elemental Antimony: LD50 rat: 100 mg/kg

#### Additional Health Data:

All heavy metals, including the hazardous ingredients in this product, are taken into the body primarily by inhalation and ingestion. Most inhalation problems can be avoided by adequate precautions such as ventilation and respiratory protection covered in Section 8. Follow good personal hygiene to avoid inhalation and ingestion: wash hands, face, neck and arms thoroughly before eating, smoking or leaving the worksite. Keep contaminated clothing out of non-contaminated areas, or wear cover clothing when in such areas. Restrict the use and presence of food, tobacco and cosmetics to non-contaminated areas. Work clothes and work equipment used in contaminated areas must remain in designated areas and never taken home or laundered with personal non-contaminated clothing. This product is intended for industrial use only and should be isolated from children and their environment.

The 19<sup>th</sup> Amendment to EC Directive 67/548/EEC classified lead compounds, but not lead in metal form, as possibly toxic to reproduction. Risk phrase 61: May cause harm to the unborn child, applies to lead compounds, especially soluble forms.



### SAFETY DATA SHEET

					ECO #:	1002195			
ATA Dang	gerous Goods Regulations DGR:								
	The international transportation of	of wet and moist charged	l (moist active) batteries	is regulated by the Internati	onal Air Transport Association				
	(IATA). These regulations also c	lassify these types of ba	tteries as a hazardous ma	aterial. The batteries must b	e packed according to				
	IATA Packing Instruction 870.								
	-								
	The shipping information is as fo								
	Proper Shipp	ing Name: Batteries, we	et, filled with acid	Packing	g Group: N/A				
	Hazardous C	lass: 8		Label/H	lacard Required: Corrosive				
	UN Identifica	ation: UN2794							
	Contact your Hawker representat	ive for additional inform	nation regarding the class	ification of battarias					
MDC.	Contact your Hawker representat		lation regarding the class	sincation of batteries.					
MDG:	The internetional terror detions	6	1 (	· · · · · · · · · · · · · · · · · · ·	1 Malifier December 1				
	The international transportation of	-			-				
	Goods code (IMDG). These regulations also classify these types of batteries as hazardous material. The batteries must be packed according to IMDG code pages 8120 and 8121. IMDG Code Packing Instruction P801								
	IMDG code pages 8120 and 812	<ol> <li>IMDG Code Packing</li> </ol>	Instruction P801						
	The shipping information is as for	llows:							
	Proper Shipp	ing Name: Batteries, we	et, filled with acid	Packing	g Group: N/A				
	Hazardous C	-			lacard Required: Corrosive				
		ation: UN2794		Lucon					
	Contact your Hawker representat	ive for additional inform	nation regarding the class	ification of batteries.					
	LATORY INFORMATION								
UNITED S	TATES:								
EPA SARA	Title III:								
Section 302	EPCRA Extremely Hazardous Sul	ostances (EHS):							
	Sulfuric acid is a listed "Extreme		" under EPCRA, with a T	Threshold Planning Ouantity	r (TPO) of 1.000 lbs.				
		•			370.10). For more information consult				
	40 CFR Part 355. The quantity of	•		•					
2		sulfulle actu will vary i	by ballery type. Collact	your mawker representative					
Section 304	CERCLA Hazardous Substances:			•					
	Reportable Quantity (RQ) for spi		-						
	EPCRA (Emergency Planning an	d Community Right to I	Know Act) is 1,000 lbs. S	State and local reportable qu	antities for spilled sulfuric acid may vary.				
Section 311/	/312 Hazard Categorization:								
	EPCRA Section 312 Tier Two re	porting is required for n	on-automotive batteries	f sulfuric acid is present in	quantities of 500 lbs or more and/or if lead is				
	present in quantities of 10,000 lb	s or more. For more info	ormation consult 40 CFR	370.10 and 40 CFR 370.40					
Section 313	EPCRA Toxic Substances:								
	40 CFR section 372.38 (b) states	: If a toxic chemical is r	present in an article at a c	covered facility, a person is	not required to consider the quantity of the				
				• •	§ 372.25, § 372.27, or § 372.28 or				
	•	-	••		received the article from another person				
	-		*	•• •	-				
	or the person produced the article	e. However, this exempt	ion applies only to the qu	lantity of the toxic chemical	present in the article.				
Supplier No	otification:								
	This product contains toxic chem	icals, which may be rep	ortable under EPCRA Se	ection 313 Toxic Chemical	Release Inventory (Form R) requirements.				
	If you are a manufacturing facilit	y under SIC codes 20 th	rough 39, the following i	nformation is provided to e	able you to complete the required reports:				
	То	cic Chemical	CAS Number	Approximate % by	Wt				
				** *	<u></u>				
		Lead	7439-92-1	60					
		Electrolyte	7664-93-9	10 - 30					
	(Sulfuric A	cid (H2SO4/H2O))	1001 25-2	10 50					
	*	Antimony	7440-36-0	2					
		* Arsenic	7440-38-2	0.2					
	S 40 CDC D : 270 f	Tin	7440-31-5	0.2					
	See 40 CRG Part 370 for more de	etans.							
	If you distribute this product to o	ther manufacturers in SI	C Codes 20 through 39,	this information must be pr	ovided with the first shipment				
	of each calendar year.								
	-								
	The Section 313 supplier notifica	tion requirement does n	ot apply to batteries whi	ch are "consumer products"					
	The section 515 supplier notified	and requirement does in	or apply to butteries, will	en are consumer products					
	* NT	Contractory II 1		1 . 6					
	* Not present in all battery types	. Contact your Hawker	representative for addition	onal information.					



		ECO #: 1002195	5
SCA:	TSCA Section 2h Inventory Status All chamicals as	omprising this product are either exempt or listed on the TSCA Inventory.	
	ISCA Section 80 – inventory status. All chemicals co	suprising this product are either exempt of listed on the TSCA inventory.	
	TSCA Section 12b (40 CFR Part 707.60(b)) No notice	e of export will be required for articles, except PCB articles, unless the Agency so requires in the	
	context of individual section 5, 6, or 7 actions.	······································	
	TSCA Section 13 (40 CFR Part 707.20): No import ce	ertification required (EPA 305-B-99-001, June 1999, Introduction to the	
	Chemical Import Requirements of the Toxic Substance	es Control Act, Section IV.A).	
CRA:			
		nandling requirements when managed in compliance with 40 CFR section 266.80 or 40 CFR part 273.	
<u> </u>	Waste sulfuric acid is a characteristic hazardous waste	e; EPA hazardous waste number D002 (corrosivity) and D008 (lead).	
<u>A:</u>	TT1	and statistic in the states there is a second state of CEC! and a test second states	
	·· · · ·	ne depletion in the atmosphere due to emissions of CFC's and other ozone depleting substances. Pursuant to Section 611of the Clean Air Act Amendments (CAAA)	
		lished a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline.	
TE DE	CGULATIONS (US):	Ished a policy to enminate the use of Class I ODC's prior to the May 15, 1995 deadline.	
IL KL	Proposition 65:		
		ries contain lead and lead compounds, chemicals known to the State of California to cause	
		other chemicals known to the State of California to cause cancer. Wash hands after handling.	
TERNAT	TIONAL REGULATIONS:	sher chemicals known to the state of california to cause calleer. Wash hands after handling.	
	Distribution into Quebec to follow Canadian Controlle	ed Product Regulations (CPR) 24(1) and 24(2).	
	Distribution into the EU to follow applicable Directive	es to the Use, Import/Export of the product as-sold.	
	Article 33 (1) of the REACH regulation (Reg. EC 1907	7/2006), which entered into force on 1 <sup>st</sup> of June 2007 in the European Union, requires that	
	manufacturers communicate the presence of Substance	es of Very High Concern (SVHC) in articles (lead batteries) in concentration greater than 0.1% by weight.	
	Effective the 27 <sup>th</sup> of June 2018, the European Chemica	al Agency (ECHA) updated the Candidate List with the inclusion of Lead Metal (CAS No.: 7439-92-1).	
	This inclusion of Lead as an SVHC applies to all of En	nerSys Lead based battery products regardless of the design (Flooded, Gel, AGM, etc).	
	ER INFORMATION		
vised: A	A 4/7/2020		
	and Dating for Sulfania Aside		
ra Haza	ard Rating for Sulfuric Acid: Flammability (Red) = 0	Reactivity (Yellow) $= 2$	
		Sulfuric acid is water-reactive if concentrated.	
	Health (Blue) $= 3$		

the manufacturer hereby expressly disclaims any liability to any third party, including users of this product, including, but not limited to, consequential or other damages, arising out of the use of, or reliance on, this Safety Data Sheet.