

Electrolyte (Sulfuric Acid (H2SO4/H2O))

Styrene Acrylonitrile

Styrene Butadiene

Polyvinylchloride

Acrylonitrile Butadiene Styrene

Polycarbonate, Hard Rubber, Polyethylene

Polypropylene Polystyrene

Case Material:

Power/Full Solutions				ECO #: 1001584	
I. PRODUCT IDENTIFICATION					
Chemical Trade Name (as used on label):		Chemical Family/Cla			
ead-Acid Battery, Wet		Electric Storage Batter	У		
Synonyms:					
ndustrial Battery, Traction Battery, Stationary Battery,		Telephone:			
Deep Cycle Battery		For information and en	nergencies, contact EnerS	Sys'	
Manufacturer's Name/Address:		Environmental, Health	& Safety Dept. at 610-20	08-1996	
EnerSys					
P.O. Box 14145		24-Hour Emergency	Response Contact:		
2366 Bernville Road		CHEMTREC DOMES	TIC: 800-424-9300 CH	HEMTREC INT'L: 703-527-3877	
Reading, PA 19612-4145					
I GHS HAZRDS IDENTFICATION					
HEALTH		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 compounds) Category 1B					
Carcinogenicity (arsenic) Category 1A					
Carcinogenicity (acid mist) Category 1A					
Specific Target Organ Category 2					
Toxicity (repeated exposure)					
GHS LABEL:					
HEALTH		ENVIRONMENTAL		PHYSICAL	
		$\sim$		$\mathbf{\vee}$	
Hazard Statements	Precautionary State				
DANGER!	Wash thoroughly after	•			
Causes severe skin burns and eye damage.	Do not eat, drink or s	smoke when using this pr	roduct.		
Causes serious eye damage.	Wear protective glov	es/protective clothing, ey	ye protection/face protect	ion.	
May damage fertility or the unborn child if ingested or	Avoid breathing dust	Avoid breathing dust/fume/gas/mist/vapors/spray.			
inhaled.	-	Use only outdoors or in a well-ventilated area.			
May cause cancer if ingested or inhaled.	-	n, serious eye damage.			
Causes damage to central nervous system, blood and			irritation or severe hurne	Avoid contact with internal acid	
		Contact with internal components may cause irritation or severe burns. Avoid contact with internal acid. Irritating to eyes, respiratory system, and skin.			
kidneys through prolonged or repeated exposure.	initiating to eyes, res	phatory system, and skin	1.		
May form explosive air/gas mixture during charging.					
Extremely flammable gas (hydrogen).					
Explosive, fire, blast, or projection hazard.					
III. HAZARDOUS INGREDIENTS/IDENTIFY INFORM	ATION				
u, usaandoos monedienis/identifi inform		1			
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			
Electrolute (Euleunia Asid (II2E04/II20))	7664 02 0	10.20			

7664-93-9

9003-07-0

9003-53-6

9003-54-7

9003-56-9

9003-55-8

9002-86-2

9002-88-4

10-30

5-10



SAFETY DATA SHEET

	Power/Full Solutions			ECO #:	1001584		
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 pr	imary components of e	every battery manufactu	red by EnerSys.			
	Other ingredients may be present dependent upon batt						
IV. FIRST	Γ AID MEASURES	ery type. Contact your	Ellerbys representative				
Inhalation							
Innunution	<u>Sulfuric Acid:</u> Remove to fresh air immediately. If br	eathing is difficult, giv	ve oxvgen. Consult a ph	vsician.			
	Lead: Remove from exposure, gargle, wash nose and						
Ingestion:		r,					
	Sulfuric Acid: Give large quantities of water; do not in	nduce vomiting or aspi	ration into the lungs m	ay occur and can cause permanent injury or death;			
	consult a physician.						
	Lead: Consult physician immediately.						
Skin:	X V V						
<u></u>	Sulfuric Acid: Flush with large amounts of water for a	t least 15 minutes; ren	nove contaminated clot	hing completely, including shoes.			
	If symptoms persist, seek medical attention. Wash con						
	Lead: Wash immediately with soap and water.						
Eyes:							
	Sulfuric Acid and Lead: Flush immediately with large	amounts of water for a	a least 15 minutes while	e lifting lids.			
	Seek immediate medical attention if eyes have been ex	posed directly to acid.		-			
V. FIRE F	FIGHTING MEASURES	1 5					
Flash Poin		Flammable Limits:	LEL = 4.1% (Hydrogen	n Gas) UEL = 74.2%			
Extinguish	ing Media: CO2; foam; dry chemical. Do not use carbo	n dioxide directly on c	ells. Avoid breathing v				
	re Fighting Procedures:	•		· · · · ·			
-	If batteries are on charge, shut off power. Use positiv	e pressure, self-contair	ned breathing apparatus	. Water applied to electrolyte generates			
	heat and causes it to spatter. Wear acid-resistant cloth	<u>^</u>	÷				
	But note that strings of series connected batteries may	still pose risk of electr	ic shock even when cha	arging equipment is shut down.			
Unusual Fi	ire and Explosion Hazards:	*					
	Highly flammable hydrogen gas is generated during ch	arging and operation of	of batteries. To avoid ri	sk of fire or explosion, keep sparks or other			
	sources of ignition away from batteries. Do not allow	metallic materials to si	multaneously contact n	egative and positive terminals of cells and			
	batteries. Follow manufacturer's instructions for instal		2				
VI. PREC	AUTIONS FOR SAFE HANDLING AND USE						
	ak Procedures:						
	Stop flow of material, contain/absorb small spills with	dry sand, earth, and ve	ermiculite. Do not use	combustible materials. If possible, carefully			
	neutralize spilled electrolyte with soda ash, sodium bio	arbonate, lime, etc. W	/ear acid-resistant cloth	ing, boots, gloves, and face shield. Do not			
	allow discharge of unneutralized acid to sewer. Acid n	ust be managed in acc	ordance with local, star	te, and federal requirements.			
	Consult state environmental agency and/or federal EPA	Α.					
VII. HAN	DLING AND STORAGE						
Handling:							
Unless invo	olved in recycling operations, do not breach the casing or	empty the contents of	the battery. Handle car	efully and avoid tipping,			
which may	allow electrolyte leakage. There may be increasing risk of	of electric shock from s	strings of connected bat	teries.			
Keep conta	iners tightly closed when not in use. If battery case is br	oken, avoid contact wi	th internal components				
Keep vent o	caps on and cover terminals to prevent short circuits. Pla	ce cardboard between	layers of stacked auton	notive batteries to avoid damage and short circuits.			
-	from combustible materials, organic chemicals, reducing		•	-			
shipping.			0				
Storage:							
	ries in cool, dry, well-ventilated areas with impervious su	rfaces and adequate co	ontainment in the event	of spills. Batteries should			
	red under roof for protection against adverse weather con	•					
	th adequate water supply and spill control. Avoid damag	· ·	•	•			
	terminals on a battery and create a dangerous short-circuit						
Charging:							
	possible risk of electric shock from charging equipment a	nd from strings of sori	es connected battarias	whether or not being charged Shut-off power to			
	henever not in use and before detachment of any circuit of	Ũ					
	pace should be ventilated. Keep battery vent caps in posi	uon. Fiomon smoking	and avoid creation of I	iames and sparks nearby.			
wear face a	and eye protection when near batteries being charged.						



VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION Exposure Limits (mg/m3) Note: N.E.= Not Established

FOIIII #.	3D3 833020
Revised:	05/14/15
Supersede	es: NEW
ECO #:	1001584

Exposure Limits (mg/m3) Note:	N.E.= Not Established			1	1	
INGREDIENTS	OSHA PEL	ACGIH	US NIOSH	Quebec PEV	Ontario OEL	EU OEL
(Chemical/Common Names)						
ead and Lead Compounds	0.05	0.05	0.05	0.05	0.05	0.15 (1)
norganic)	0.05	0.05	0.05	0.05	0.05	0.15 (b)
ntimony	0.5	0.5	0.5	0.5	0.5	0.5 (b,e)
rsenic	0.01	0.01	0.002	0.2	0.01	N.E
alcium	N.E	N.E	N.E	N.E	N.E	N.E
	2	2	2	2	2	N.E
lectrolyte (Sulfuric Acid)	1	0.2	1	1	0.2	0.05 (c)
olypropylene	N.E	N.E	N.E	N.E	N.E	N.E
olystyrene	N.E	N.E	N.E	N.E	N.E	N.E
crylonitrile Butadiene	N.E	N.E	N.E	N.E	N.E	N.E
•	N.E	N.E	N.E	N.E	N.E	N.E
tyrene tyrene Butadiene	N.E N.E	N.E N.E	N.E N.E	N.E N.E	N.E N.E	N.E N.E
	N.E N.E	N.E N.E	N.E N.E	N.E N.E	1 1	N.E N.E
olyvinylchloride	IN.E	IN.E	IN.E	IN.E	1	IN.E
olycarbonate, Hard			N 17	N.F.	NE	NT 17
tubber, Polyethylene	N.E	N.E	N.E	N.E	N.E	N.E
ilicon Dioxide	N.E	N.E	N.E	N.E	N.E	N.E
Gel Batteries Only)	N.E	IN.E	IN.E	IN.E	IN.E	N.E
heet Molding Compound						
Glass reinforced polyester)	N.E	N.E	N.E	N.E	N.E	N.E
ngineering Controls (Ventilation Store and handle in v Handle batteries caut clothing, eye and fac positive and negative espiratory Protection (NIOSH) None required under respiratory protection kin Protection: If battery case is dam ve Protection: If battery case is dam	vell-ventilated area. If mechanica tiously to avoid spills. Make certa e protection when filling, charging e terminals of the batteries. Charge (MSHA approved): normal conditions. When concer	l ventilation is used, ain vent caps are on s g or handling batterie e the batteries in area attrations of sulfuric a esistant gloves with e eshield.	components must be acie ecurely. Avoid contact v es. Do not allow metallic is with adequate ventilati cid mist are known to ex elbow-length gauntlet, ac	with internal componer materials to simultane on. General dilution vo ceed the PEL, use NIC id-resistant apron, clot	ously contact both the entilation is acceptable. SH or MSHA-approved hing and boots.	
	supply. Acid-resistant apron. Un			ear acid-resistant clotr	ing and boots.	
Face shield recomme	ended when adding water or electr	olyte to batteries, wa	sh hands after handling.			
Face shield recomme	ended when adding water or electr AL PROPERTIES	olyte to batteries, wa	sh hands after handling.			
Face shield recomme <b>COMPASSIONAL AND CHEMIC</b> <b>COPORTIES Listed Below are for</b>	ended when adding water or electr AL PROPERTIES	-		2 <b>0</b> = 1):	1.215 to 1.350	
Face shield recomme <b>COMPASSIONAL AND CHEMIC</b> <b>CODENTION OF COMPANY OF COMPANY</b> <b>CODENTIAL OF COMPA</b>	ended when adding water or electr AL PROPERTIES	203 - 240° F	Specific Gravity (H2		1.215 to 1.350	
Face shield recomme <b>C. PHYSICAL AND CHEMIC</b> <b>roperties Listed Below are for</b> <b>Boiling Point:</b> Melting Point:	ended when adding water or electr AL PROPERTIES Electrolyte:	203 - 240° F N/A	Specific Gravity (H2 Vapor Pressure (mm	n Hg):	10	
Face shield recomme K. PHYSICAL AND CHEMIC roperties Listed Below are for Boiling Point: Melting Point: Solubility in Water:	ended when adding water or electr AL PROPERTIES Electrolyte:	203 - 240° F N/A 100%	Specific Gravity (H2 Vapor Pressure (mm Vapor Density (AIR	n Hg): = 1):	10 Greater than 1	
Face shield recomme K. PHYSICAL AND CHEMIC. roperties Listed Below are for Boiling Point: Melting Point:	ended when adding water or electr AL PROPERTIES Electrolyte: (Butyl Acetate = 1)	203 - 240° F N/A 100% Less than 1	Specific Gravity (H2 Vapor Pressure (mm Vapor Density (AIR % Volatile by Weigh	n Hg): = 1):	10 Greater than 1 N/A	
Face shield recomme K. PHYSICAL AND CHEMIC. roperties Listed Below are for Boiling Point: Melting Point: Solubility in Water: Evaporation Rate:	ended when adding water or electr AL PROPERTIES Electrolyte: (Butyl Acetate = 1) pH:	203 - 240° F N/A 100% Less than 1 ~1 to 2	Specific Gravity (H2 Vapor Pressure (mm Vapor Density (AIR % Volatile by Weigh Flash Point:	n Hg): = 1): nt:	10 Greater than 1 N/A Below room temperature	(as hydrogen gas)
Face shield recomme X. PHYSICAL AND CHEMIC. roperties Listed Below are for Boiling Point: Melting Point: Solubility in Water:	ended when adding water or electr AL PROPERTIES Electrolyte: (Butyl Acetate = 1) pH:	203 - 240° F N/A 100% Less than 1	Specific Gravity (H2 Vapor Pressure (mm Vapor Density (AIR % Volatile by Weigh Flash Point: UEL (Upper Explosi	n Hg): = 1): nt:	10 Greater than 1 N/A	(as hydrogen gas)



	ECO #. 1001384
X. REACTIVITY DATA	
Stability: Stable X Unstable	
This product is stable under normal conditions at ambient temperature.	
Conditions To Avoid, Declanged querehouses of ignition	
Conditions To Avoid: Prolonged overcharge; sources of ignition	
Incompatibility: (Materials to avoid)	
Sulfuric Acid: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agen	ts,
metals, sulfur trioxide gas, strong oxidizers and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable	e
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	
Hazardous Decomposition Products:	
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 nascer	it
hydrogen may generate highly toxic arsine gas.	
Hazardous Polymerization:	
Will not occur	
XI. TOXICOLOGICAL INFORMATION	
Routes of Entry:	
<u>Sulfuric Acid:</u> 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, var	
	10F
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 syste	emic
toxicity and must be treated by a physician.	
Skin Contact:	
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 Contact:	
Sulfuric Acid: Severe irritation, burns, cornea damage, and blindness.	
Lead Components: May cause eye irritation.	
Effects of Overexposure - Acute:	
<u>Sulfuric Acid</u> : 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:	
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 abn	ormal
conduction velocities in persons with blood lead levels of 50mcg/100 ml or higher. Heavy lead exposure may result in central nervous system	lamage,
encephalopathy and damage to the blood-forming (hematopoietic) tissues.	
Carcinogenicity:	
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
acto sourced s contained within a namery - morganic acto mist issummer acto mist is not generated under normal use of this broduct. Mistice of	uic
product, such as overcharging, may result in the generation of sulfuric acid mist.	
	).1200
product, such as overcharging, may result in the generation of sulfuric acid mist.	).1200
product, such as overcharging, may result in the generation of sulfuric acid mist. <u>Lead Compounds:</u> Lead is listed as a Group 2A carcinogen, likely in animals at extreme doses. Per the guidance found in OSHA 29 CFR 1910 Appendix F, this is approximately equivalent to GHS Category 1B. <u>Proof of carcinogenicity in humans is lacking at present.</u>	
product, such as overcharging, may result in the generation of sulfuric acid mist. <u>Lead Compounds:</u> Lead is listed as a Group 2A carcinogen, likely in animals at extreme doses. Per the guidance found in OSHA 29 CFR 1910 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, t	
product, such as overcharging, may result in the generation of sulfuric acid mist. <u>Lead Compounds:</u> Lead is listed as a Group 2A carcinogen, likely in animals at extreme doses. Per the guidance found in OSHA 29 CFR 1910 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, to approximately equivalent to GHS Category 1A.	
<ul> <li>product, such as overcharging, may result in the generation of sulfuric acid mist.</li> <li><u>Lead Compounds:</u> Lead is listed as a Group 2A carcinogen, likely in animals at extreme doses. Per the guidance found in OSHA 29 CFR 1910</li> <li>Appendix F, this is approximately equivalent to GHS Category 1B. <u>Proof of carcinogenicity in humans is lacking at present.</u></li> <li><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, to approximately equivalent to GHS Category 1A.</li> <li><u>Medical Conditions Generally Aggravated by Exposure:</u></li> </ul>	this is
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## Acute Toxicity: Inhalation LD50: Electrolyte: LC50 rat: 375 mg/m3; LC50: guinea pig: 510 mg/m3 Elemental Lead: Acute Toxicity Point Estimate = 4500 ppmV (based on lead bullion) Elemental arsenic: 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 19th 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. XII. ECOLOGICAL INFORMATION Environmental Fate: Lead is very persistent in soil and sediments. No data on environmental degradation. Mobility of metallic lead between ecological compartments is slow. Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants but little bioaccumulation occurs through the food chain. Most studies include lead compounds and not elemental lead. Environmental Toxicity: Aquatic Toxicity: Sulfuric acid: 24-hr LC50, freshwater fish (Brachydanio rerio): 82 mg/L 96 hr- LOEC, freshwater fish (Cyprinus carpio): 22 mg/L Lead: 48 hr LC50 (modeled for aquatic invertebrates): <1 mg/L, based on lead bullion 24 hr LC50, freshwater fish (Carrassisus auratus) >5000 g/L. Arsenic: Additional Information: · No known effects on stratospheric ozone depletion. · Volatile organic compounds: 0% (by Volume) · Water Endangering Class (WGK): NA XIII. DISPOSAL CONSIDERATIONS (UNITED STATES) Spent batteries: Send to secondary lead smelter for recycling. Spent lead-acid batteries are not regulated as hazardous waste when the requirements of 40 CFR Section 266.80 are met. This should be managed in accordance with approved local, state and federal requirements. Consult state environmental agency and/or federal EPA. Electrolyte: Place neutralized slurry into sealed containers and handle as applicable with state and federal regulations. Large water-diluted spills, after neutralization and testing, should be managed in accordance with approved local, state and federal requirements. Consult state environmental agency and/or federal EPA. Following local, State/Provincial, and Federal/National regulations applicable to end-of-life characteristics will be the responsibility of the end-user. XIV. TRANSPORT INFORMATION U.S. DOT: The transportation of wet and moist charged (moist active) batteries within the continental United States is regulated by the U.S. DOT through the Code of Federal Regulations, Title 49 (49CFR). These regulations classify these types of batteries as a hazardous material. Refer to 49 CFR, 173.159 for more details pertaining to the transportation of wet and moist batteries. The shipping information is as follows: Proper Shipping Name: Batteries, wet, filled with acid Packing Group: III Hazardous Class: 8 Label/Placard Required: Corrosive UN Identification: UN2794 Contact your EnerSys representative for additional information regarding the classification of batteries. 49 CFR 173.159(e) specifies that when transported by highway or rail, electric storage batteries containing electrolyte or corrosive battery fluid are not subject to any other requirements of this subchapter, if all of the following are met: (1) No other hazardous materials may be transported in the same vehicle; (2) The batteries must be loaded or braced so as to prevent damage and short circuits in transit; (3) Any other material loaded in the same vehicle must be blocked, braced, or otherwise secured to prevent contact with or damage to the batteries; and (4) The transport vehicle may not carry material shipped by any person other than the shipper of the batteries.

If any of the above-referenced requirements are not met, the batteries must be shipped as fully-regulated Class 8 Corrosive hazardous materials.



SAFETY DATA SHEET

	Power/Full Solutions		ECO #: 10	01584
ATA Dan	agerous Goods Regulations DGR:			
	<u>^</u>	•	is regulated by the International Air Transport Association	
	(IATA). These regulations also classify these types of	f batteries as a hazardous m	aterial. The batteries must be packed according to	
	IATA Packing Instruction 870.			
	The shipping information is as follows:			
	Proper Shipping Name: Batteries,	wet, filled with acid	Packing Group: N/A	
	Hazardous Class: 8		Label/Placard Required: Corrosive	
	UN Identification: UN2794			
	Contact your EnerSys representative for additional inf	ormation regarding the clas	ssification of batteries.	
MDG:		0 0		
	The international transportation of wet and moist char	ged (moist active) batteries	is regulated by the International Maritime Dangerous	
	Goods code (IMDG). These regulations also classify	these types of batteries as h	azardous material. The batteries must be packed according to	
	IMDG code pages 8120 and 8121. IMDG Code Pack	ing Instruction P801.		
	The shipping information is as follows:	-		
	Proper Shipping Name: Batteries,	wet, filled with acid	Packing Group: N/A	
	Hazardous Class: 8		Label/Placard Required: Corrosive	
	UN Identification: UN2794		·····	
	Contact your EnerSys representative for additional inf	formation regarding the class	stification of batteries	
V. REGU	ULATORY INFORMATION	ormation regarding the end	isineuton of butteries.	
	STATES:			
EPA SAR	A Title III:			
Section 302	2 EPCRA Extremely Hazardous Substances (EHS):			
	Sulfuric acid is a listed "Extremely Hazardous Substa	nce" under EPCRA, with a	Threshold Planning Quantity (TPQ) of 1,000 lbs.	
	-		s present at one site (40 CFR 370.10). For more information consult	
	*		your EnerSys representative for additional information.	
Section 304	4 CERCLA Hazardous Substances:	-) -) -)	,	
	Reportable Quantity (RQ) for spilled 100% sulfuric as	id under CERCLA (Superf	und) and	
			State and local reportable quantities for spilled sulfuric acid may vary.	
Section 31	1/312 Hazard Categorization:			
	-	r non-automotive batteries	if sulfuric acid is present in quantities of 500 lbs or more and/or if lead is	
	present in quantities of 10,000 lbs or more. For more			
Section 313	3 EPCRA Toxic Substances:			
		is present in an article at a	covered facility, a person is not required to consider the quantity of the	
			reshold has been met under § 372.25, § 372.27, or § 372.28 or	
		• • • • • •	applies whether the person received the article from another person	
	or the person produced the article. However, this exer	-	** *	
	of the person produced the article. However, this exer	iption upplies only to the q	danity of the toxic chemical present in the article.	
Supplier N	Notification:			
		reportable under EPCRA S	ection 313 Toxic Chemical Release Inventory (Form R) requirements.	
	-	-	information is provided to enable you to complete the required reports:	
	<u> </u>			
	Toxic Chemical	CAS Number	Approximate % by Wt.	
	Lord	7439-92-1	<u>60</u>	
	Lead	7439-92-1	00	
	Electrolyte	7664-93-9	10 - 30	
	(Sulfuric Acid (H2SO4/H2O))		_	
		7440-36-0	2	
	* Antimony	7440-30-0	2	
	* Antimony * Arsenic	7440-38-2	0.2	
	•			
	* Arsenic	7440-38-2	0.2	
	* Arsenic Tin See 40 CRG Part 370 for more details.	7440-38-2 7440-31-5	0.2 0.2	
	* Arsenic Tin See 40 CRG Part 370 for more details.	7440-38-2 7440-31-5	0.2	
	* Arsenic Tin See 40 CRG Part 370 for more details.	7440-38-2 7440-31-5	0.2 0.2	
	* Arsenic Tin See 40 CRG Part 370 for more details. If you distribute this product to other manufacturers in of each calendar year.	7440-38-2 7440-31-5 n SIC Codes 20 through 39,	0.2 0.2 , this information must be provided with the first shipment	
	* Arsenic Tin See 40 CRG Part 370 for more details. If you distribute this product to other manufacturers in	7440-38-2 7440-31-5 n SIC Codes 20 through 39,	0.2 0.2 , this information must be provided with the first shipment	
	* Arsenic Tin See 40 CRG Part 370 for more details. If you distribute this product to other manufacturers in of each calendar year.	7440-38-2 7440-31-5 n SIC Codes 20 through 39, es not apply to batteries, wh	0.2 0.2 , this information must be provided with the first shipment , this information must be provided with the first shipment	



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