

# SAFETY DATA SHEET

1. Identification			
Product identifier	Lead Acid Battery Wet, Filled With Acid		
Other means of identification			
Synonyms	may include gel/absorbed electrolyte type lead acid batteries		
Recommended use	Electric storage battery.		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer/Supplier	East Penn Manufacturing Company, Inc.		
Address	102 Deka Road, Lyon Station PA 19536		
Telephone number	(610) 682-6361		
Contact person	East Penn EHS Department		
Emergency telephone number	USA/Canada: CHEMTREC (800) 424-9300, C	Outside USA 1 (703) 527-3887	
E-mail	contactus@eastpenn-deka.com		
2. Hazard(s) identification			
Physical hazards	Explosive Chemical, Division 1.3		
Health hazards	Acute toxicity, oral	Category 4	
	Acute toxicity, inhalation	Category 4	
	Skin corrosion/irritation	Category 1A	
	Serious eye damage/eye irritation	Category 1	
	Carcinogenicity	Category 1A	
	Reproductive toxicity	Category 1A	
	Specific target organ toxicity, single exposure	Category 1 (respiratory system)	
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation	
	Specific target organ toxicity, repeated exposure	Category 1 (respiratory system)	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1	
	Hazardous to the aquatic environment, long-term hazard	Category 1	
OSHA defined hazards	Not classified.		
Label elements			
Signal word	Danger		
Hazard statement	Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. May cause cancer. May damage fertility or the unborn child. Causes damage to organs (respiratory system). Causes damage to organs (respiratory system) through prolonged or repeated exposure. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.		
Precautionary statement	, ,	5 5	
Prevention	and understood. Keep away from heat/sparks/ breathe dust/mist/vapors. Wash thoroughly aft this product. Use only outdoors or in a well-ver Wear protective gloves/protective clothing/eye	handle until all safety precautions have been read /open flames/hot surfaces No smoking. Do not ter handling. Do not eat, drink or smoke when using ntilated area. Avoid release to the environment. protection/face protection.	

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Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse. Collect spillage.
Storage	Store in a well-ventilated place. Keep container tightly closed.
Disposal	Refer to manufacturer/supplier for information on recovery/recycling. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Under normal conditions of processing and use, exposure to the chemical constituents in this product is unlikely. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.
Supplemental information	In use, may form flammable/explosive vapor-air mixture.

## 3. Composition/information on ingredients

Mixtures			
Chemical name		CAS number	%
Lead and lead compounds (inorganic)		7439-92-1	43 - 70
Electrolyte (Sulfuric acid)		7664-93-9	20 - 44
Antimony		7440-36-0	3 - 5
Composition comments	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Content composition concentrations will vary with battery type/size.		
4. First-aid measures			
Inhalation	Exposure to contents of an open or da person under observation. Get medica		
Skin contact	Exposure to contents of an open or damaged battery: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists.		
Eye contact	Exposure to contents of an open or damaged battery: Flush thoroughly with water for at least 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Get medical attention if irritation develops and persists.		
Ingestion	Exposure to contents of an open or damaged battery: Rinse mouth thoroughly with water. DO NOT induce vomiting because of danger of aspirating liquid into lungs. Get medical attention immediately.		
Most important symptoms/effects, acute and delayed	Under normal conditions of processing product is unlikely. The battery should contained within or their combustion p Heavy lead exposure may result in ce to the blood-forming (hematopoietic) t	not be opened or burned. Exposure products could be harmful. ntral nervous system damage, ence	e to the ingredients
Indication of immediate medical attention and special treatment needed	Treat symptomatically.		
General information	Ensure that medical personnel are aw protect themselves.	vare of the material(s) involved, and	take precautions to
5. Fire-fighting measures			
Suitable extinguishing media	Dry chemical, foam, carbon dioxide, w	vater fog.	
Unsuitable extinguishing media	Do NOT use water on live electrical ci	rcuits.	
Specific hazards arising from the chemical	Batteries evolve flammable hydrogen gas during charging and may increase fire risk. Containers may explode when heated.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus an Selection of respiratory protection for the workplace.	nd full protective clothing must be we firefighting: follow the general fire pr	orn in case of fire. ecautions indicated in
Fire fighting equipment/instructions	Use standard firefighting procedures a	and consider the hazards of other in	volved materials.
General fire hazards	Like any sealed container, battery cell result in the release of corrosive and f		essive heat; this could

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#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin.
Methods and materials for containment and cleaning up	Neutralize the spilled material before disposal. Sweep up or vacuum up spillage and collect in suitable container for disposal. Dispose of waste and residues in accordance with local authority requirements.
Environmental precautions	Prevent runoff from entering drains, sewers, or streams.
7. Handling and storage	
Precautions for safe handling	In the event of damage resulting in a leak of exposed materials, avoid contact with contents of an open or damaged cell or battery. Keep away from heat, sparks and open flame. Do not allow conductive material to touch the battery terminals. A dangerous short-circuit may occur and cause

Conditions for safe storage, Store in o between

battery failure and fire. Store in original tightly closed container. Protect containers from damage. Place cardboard between layers of stacked batteries to avoid damage and short circuits.

## 8. Exposure controls/personal protection

#### Occupational exposure limits

Components	Ту	ре	١	/alue	
Lead and lead compounds (inorganic) (CAS 7439-92-1)	ΤV	VA	C	).05 mg/m3	
US. OSHA Table Z-1 Limit	s for Air Contamina	nts (29 CFR 1910.1	000)		
Components	Ту	ре	١	/alue	
Antimony (CAS 7440-36-0)	PE	EL	C	).5 mg/m3	
Electrolyte (Sulfuric acid) (CAS 7664-93-9)	PE	EL	1	mg/m3	
US. ACGIH Threshold Lim	it Values				
Components	Ту	ре	١	/alue	Form
Antimony (CAS 7440-36-0)	TV	VA	C	).5 mg/m3	
Electrolyte (Sulfuric acid) (CAS 7664-93-9)	TV	VA	C	).2 mg/m3	Thoracic fraction.
Lead and lead compounds (inorganic) (CAS 7439-92-1)	ΤV	VA	C	).05 mg/m3	
US. NIOSH: Pocket Guide	to Chemical Hazard	s			
Components	Ту	ре	١	/alue	
Antimony (CAS 7440-36-0)	ΤV	VA	0	).5 mg/m3	
Electrolyte (Sulfuric acid) (CAS 7664-93-9)	TV	VA	1	mg/m3	
Lead and lead compounds (inorganic) (CAS 7439-92-1)	ΤV	VA	C	).05 mg/m3	
logical limit values	No biological exp	osure limits noted for	or the ingredient	(s).	
ACGIH Biological Exposur	e Indices				
Components	Value	Determinant	Specimen	Sampling	Time
Lead and lead compounds (inorganic) (CAS 7439-92-1)	200 µg/l	Lead	Blood	*	
* - For sampling details, ple	ase see the source de	ocument.			
propriate engineering trols	Provide adequate	e ventilation. Provide	e easy access to	water supply a	and eye wash facilities.
vidual protection measures	s, such as personal	protective equipm	ent		
Eye/face protection		nal conditions. Leak		d or opened bat	ttery: Wear safety glasses v

Skin protection	
Hand protection	None under normal conditions. Leak from a damaged or opened battery: Wear appropriate chemical resistant gloves.
Skin protection	
Other	None under normal conditions. Leak from a damaged or opened battery: Wear suitable protective clothing. Use of an impervious apron is recommended.
Respiratory protection	None under normal conditions.
Thermal hazards	When material is heated, wear gloves to protect against thermal burns.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

o. I hysioal and onerhour	
Appearance	
Physical state	Solid.
Form	Sulfuric acid, liquid. Lead, solid.
Color	Not available.
Odor	Odorless.
Odor threshold	Not available.
pН	<1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	235 - 240 °F (112.78 - 115.56 °C) (Sulfuric acid)
Flash point	Below room temperature (as hydrogen gas).
Evaporation rate	< 1 (n-BuAc=1)
Flammability (solid, gas)	
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	4 % (Hydrogen)
Flammability limit - upper (%)	74 % (Hydrogen)
Vapor pressure	10 mm Hg
Vapor density	> 1 ( Air=1)
Relative density	1.27 - 1.33
Solubility(ies)	
Solubility (water)	100 % (Sulfuric acid)
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
10. Stability and reactivity	
Reactivity Chemical	The product is non-reactive under normal conditions of use, storage and transport.
stability Possibility of	Stable at normal conditions.
hazardous reactions	Will not occur.
Conditions to avoid	Overcharging. Ignition sources.
Incompatible materials	Strong bases. Combustible organic materials. Reducing agents. Finely divided metals. Strong oxidizers. Water.

Hazardous decomposition Sulfur dioxide. Sulfur trioxide. Carbon monoxide. Sulfuric acid. Hydrogen. products

## 11. Toxicological information

Information on likely routes of exposure

Inhalation	Exposure to contents of an open or damaged battery: Harmful if inhaled. Causes severe respiratory tract irritation.
Skin contact	Exposure to contents of an open or damaged battery: Causes severe skin burns.
Eye contact	Exposure to contents of an open or damaged battery: Causes serious eye damage.
Ingestion	Exposure to contents of an open or damaged battery: Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Exposure to contents of an open or damaged battery: Dust may irritate the eyes and the respiratory system.

Information on toxicological effects

Acute toxicity	Exposure to contents of an ope	n or damaged battery: Harmful if inhaled or swallowed.	
Components	Species	Test Results	
Electrolyte (Sulfuric acid) (CAS 7	664-93-9)		
Acute			
Oral			
LD50	Rat	2140 mg/kg	
Skin corrosion/irritation		n or damaged battery: Causes severe skin burns.	
Serious eye damage/eye irritation	Exposure to contents of an ope	n or damaged battery: Causes serious eye damage.	
Respiratory or skin sensitization	n		
Respiratory sensitization	No data available.		
Skin sensitization	No data available.		
Germ cell mutagenicity	No data available.		
Carcinogenicity	mists containing sulfuric acid" a	esearch on Cancer (IARC) has classified "strong inorganic acid s a known human carcinogen, (IARC category 1). This sts containing sulfuric acid and not to sulfuric acid or sulfuric acid	
IARC Monographs. Overall	Evaluation of Carcinogenicity		
Electrolyte (Sulfuric acid Lead and lead compour NTP Report on Carcinogen	nds (inorganic) (CAS 7439-92-1)	1 Carcinogenic to humans. 2B Possibly carcinogenic to humans.	
OSHA Specifically Regulate		Known To Be Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. )1-1053)	
Not regulated.	None under normal conditions	Evenues to contents of an enery or demaged betters. May demage	
Reproductive toxicity	fertility or the unborn child.	Exposure to contents of an open or damaged battery: May damage	
Specific target organ toxicity - single exposure		None under normal conditions. Exposure to contents of an open or damaged battery: Causes damage to organs (respiratory system).	
Specific target organ toxicity - repeated exposure	None under normal conditions. Exposure to contents of an open or damaged battery: Causes damage to organs through prolonged or repeated exposure: Respiratory system.		
Aspiration hazard	Due to the physical form of the	Due to the physical form of the product it is not an aspiration hazard.	
Chronic effects	Exposure to contents of an open or damaged battery: Heavy lead exposure may result in central nervous system damage, encephalopathy and damage to the blood-forming (hematopoietic) tissues. Chronic inhalation of sulfuric acid mist may increase the risk of lung cancer.		
12. Ecological informatio	n		
Ecotoxicity	possibility that large or frequent	environmentally hazardous. However, this does not exclude the spills can have a harmful or damaging effect on the environment. n or damaged battery: Very toxic to aquatic life with long lasting	

Components		Species	Test Results	
Lead and lead compounds (inorganic) (CAS 7439-92-1)				
	LC50	Rainbow trout, donaldson trout (Oncorhynhus mykiss)	1.17 mg/l, 96 Hours	
Persistence and degradability	The degradation in water.	on half-life of the product is not known. Le	ad and its compounds are highly persistent	
Bioaccumulative potential		Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants, but very little bioaccumulation occurs through the food chain.		
Mobility in soil	If the product enters soil, one or more constituents will or may be mobile and may contaminate groundwater.			
Mobility in general	The product is insoluble in water and will spread on water surfaces.			
Other adverse effects	None known.			
13. Disposal consideration	IS			
Disposal instructions		atteries, as the primary disposal method. I water courses or onto the ground. Dispos		
Local disposal regulations	Empty contain	ers should be taken to an approved waste	e handling site for recycling or disposal.	
Hazardous waste code	Depending up	lead-acid batteries are not regulated as ha on circumstances, the following waste coo lyte/Sulfuric acid. D002: Corrosive waste		
Waste from residues / unused products	Avoid discharg	ge into water courses or onto the ground.		
Contaminated packaging	Since emptied emptied.	containers retain product residue, follow	label warnings even after container is	

# 14. Transport information

DOT
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DOT	
UN number	UN2794
UN proper shipping name	Batteries, wet, filled with acid, electric storage
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s) Packing	8
group Environmental	-
hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions	159
Packaging non bulk	159
Packaging bulk	159
IATA	
UN number	UN2794
UN proper shipping name	Batteries, wet, filled with acid electric storage
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	-
Environmental hazards	No
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Packing Instruction: 870
IMDG	
UN number	UN2794
UN proper shipping name	BATTERIES, WET, FILLED WITH ACID electric storage
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	-
Environmental hazards	
Marine pollutant	No

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EmS Special precautions for u Transport in bulk according Annex II of MARPOL 73/78 a	Packing Inst to Not applica	F-A, S-B Read safety instructions, SDS and emergency procedures before handling. Packing Instruction: P801 Not applicable.		g.	
the IBC Code					
15. Regulatory information	tion				
US federal regulations	Standard, 2	29 CFR 1910.12		d by the OSHA Hazard ory List.	Communication
	present at a	a facility in an an		eding 500 pounds or the	Hazardous Substance is Threshold Planning
TSCA Section 12(b) Expo	ort Notification (	40 CFR 707, St	ibpt. D)		
Not regulated. CERCLA Hazardous Sub	ostance List (40	CFR 302.4)			
Antimony (CAS 7440-36-0) Electrolyte (Sulfuric acid) (CAS 7664 Lead and lead compounds (inorganic SARA 304 Emergency release notificati		ic) (CAS 7439-92-1) Listed.			
Electrolyte (Sulfuric a OSHA Specifically Regul	cid) (CAS 7664-9	93-9)	1000 LBS 0.1001-1053)		
Lead and lead comp	ounds (inorganic)	) (CAS 7439-92-	<ol> <li>Reproductive toxic Central nervous sy Kidney Blood Acute toxicity</li> </ol>		
Superfund Amendments and SARA 302 Extremely ha:		-			
Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (nounds)
Electrolyte (Sulfuric		Reportable quantity	planning quantity	planning quantity,	planning quantity,
	CAS number 7664-93-9	Reportable quantity (pounds)	planning quantity (pounds)	planning quantity, lower value	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou	CAS number 7664-93-9 Is Yes Acute toxic Skin corros Serious eys Carcinoger Reproducti	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye nicity ve toxicity	planning quantity (pounds) 1000 exposure)	planning quantity, lower value (pounds)	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard	CAS number 7664-93-9 s Yes Acute toxic Skin corros Serious eye Carcinoger Reproducti Specific tar	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye nicity ve toxicity	planning quantity (pounds) 1000 exposure) e irritation	planning quantity, lower value (pounds)	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard categories	CAS number 7664-93-9 s Yes Acute toxic Skin corros Serious eye Carcinoger Reproducti Specific tar	Reportable quantity (pounds) 1000 ity (any route of ion or irritation damage or eye iicity ve toxicity get organ toxicit	planning quantity (pounds) 1000 exposure) e irritation	planning quantity, lower value (pounds)	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard categories SARA 313 (TRI reporting	CAS number 7664-93-9 s Yes Acute toxic Skin corros Serious eye Carcinoger Reproducti Specific tar	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye iicity ve toxicity get organ toxicit 7 7 7	planning quantity (pounds) 1000 exposure) e irritation y (single or repeated e	planning quantity, lower value (pounds) xposure)	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard categories SARA 313 (TRI reporting Chemical name Antimony Electrolyte (Sulfuric a	CAS number 7664-93-9 s Yes Acute toxic Skin corros Serious eye Carcinoger Reproducti Specific tar	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye iicity ve toxicity get organ toxicit 7 7 7	planning quantity (pounds) 1000 exposure) e irritation y (single or repeated ex AS number 7440-36-0 7664-93-9	planning quantity, lower value (pounds) xposure) % by wt. 3 - 5 20 - 44	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard categories SARA 313 (TRI reporting Chemical name Antimony Electrolyte (Sulfuric a Lead and lead compo Other federal regulations Clean Air Act (CAA) Sec Antimony (CAS 7440 Lead and lead compo	CAS number 7664-93-9 is Yes Acute toxic Skin corros Serious eye Carcinoger Reproducti Specific tar )) cid) ounds (inorganic) tion 112 Hazardo -36-0) ounds (inorganic)	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye iicity ve toxicity get organ toxicit Crite 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	planning quantity (pounds) 1000 exposure) e irritation y (single or repeated e: AS number 7440-36-0 7664-93-9 7439-92-1 nts (HAPs) List 1)	planning quantity, lower value (pounds) xposure) % by wt. 3 - 5 20 - 44 43 - 70	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard categories SARA 313 (TRI reporting Chemical name Antimony Electrolyte (Sulfuric a Lead and lead comp Other federal regulations Clean Air Act (CAA) Sec Antimony (CAS 7440) Lead and lead comp Clean Air Act (CAA) Sec	CAS number 7664-93-9 as Yes Acute toxic Skin corros Serious eys Carcinoger Reproducti Specific tar )) cid) ounds (inorganic) tion 112 Hazardo -36-0) ounds (inorganic)	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye nicity ve toxicity get organ toxicit <u>Cr</u> 7 5 ous Air Pollutar (CAS 7439-92- lental Release	planning quantity (pounds) 1000 exposure) e irritation y (single or repeated e: AS number 7440-36-0 7664-93-9 7439-92-1 nts (HAPs) List 1)	planning quantity, lower value (pounds) xposure) % by wt. 3 - 5 20 - 44 43 - 70	planning quantity, upper value
Electrolyte (Sulfuric acid) SARA 311/312 Hazardou chemical Classified hazard categories SARA 313 (TRI reporting Chemical name Antimony Electrolyte (Sulfuric a Lead and lead compo Other federal regulations Clean Air Act (CAA) Sec Antimony (CAS 7440 Lead and lead compo	CAS number 7664-93-9 Is Yes Acute toxic Skin corros Serious eye Carcinoger Reproducti Specific tar () cid) ounds (inorganic) tion 112 Hazardo -36-0) ounds (inorganic) tion 112(r) Accid cid) (CAS 7664-S	Reportable quantity (pounds) 1000 ity (any route of ion or irritation e damage or eye nicity ve toxicity get organ toxicit <u>Cr</u> 7 5 ous Air Pollutar (CAS 7439-92- lental Release (3-9)	planning quantity (pounds) 1000 exposure) e irritation y (single or repeated e: AS number 7440-36-0 7664-93-9 7439-92-1 nts (HAPs) List 1)	planning quantity, lower value (pounds) xposure) % by wt. 3 - 5 20 - 44 43 - 70	planning quantity, upper value

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number Electrolyte (Sulfuric acid) (CAS 7664-93-9) 6552 Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)) Electrolyte (Sulfuric acid) (CAS 7664-93-9) 20 %WV DEA Exempt Chemical Mixtures Code Number Electrolyte (Sulfuric acid) (CAS 7664-93-9) 6552 US state regulations US. Massachusetts RTK - Substance List Antimony (CAS 7440-36-0) Electrolyte (Sulfuric acid) (CAS 7664-93-9) Lead and lead compounds (inorganic) (CAS 7439-92-1) US. New Jersey Worker and Community Right-to-Know Act Antimony (CAS 7440-36-0) Electrolyte (Sulfuric acid) (CAS 7664-93-9) Lead and lead compounds (inorganic) (CAS 7439-92-1) US. Pennsylvania Worker and Community Right-to-Know Law Antimony (CAS 7440-36-0) Electrolyte (Sulfuric acid) (CAS 7664-93-9) Lead and lead compounds (inorganic) (CAS 7439-92-1) US. Rhode Island RTK Antimony (CAS 7440-36-0) Electrolyte (Sulfuric acid) (CAS 7664-93-9) Lead and lead compounds (inorganic) (CAS 7439-92-1) California Proposition 65 WARNING: Cancer and Reproductive Harm. www.P65warnings.ca.gov or PROPOSITION 65 WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. WASH HANDS AFTER HANDLING. California Proposition 65 - CRT: Listed date/Carcinogenic substance Arsenic (CAS 7440-38-2) Listed: February 27, 1987 Electrolyte (Sulfuric acid) (CAS 7664-93-9) Listed: March 14, 2003 Lead and lead compounds (inorganic) (CAS Listed: October 1, 1992 7439-92-1) California Proposition 65 - CRT: Listed date/Developmental toxin Lead and lead compounds (inorganic) (CAS Listed: February 27, 1987 7439-92-1) California Proposition 65 - CRT: Listed date/Female reproductive toxin Lead and lead compounds (inorganic) (CAS Listed: February 27, 1987 7439-92-1) California Proposition 65 - CRT: Listed date/Male reproductive toxin Lead and lead compounds (inorganic) (CAS Listed: February 27, 1987 7439-92-1) US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) Antimony (CAS 7440-36-0) Electrolyte (Sulfuric acid) (CAS 7664-93-9) Lead and lead compounds (inorganic) (CAS 7439-92-1) International Inventories Country(s) or region Inventory name On inventory (yes/no)\* Australia Australian Inventory of Chemical Substances (AICS) Yes Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances List (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) Yes European Inventory of Existing Commercial Chemical Europe No Substances (EINECS) European List of Notified Chemical Substances (ELINCS) Europe No

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Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

United States & Puerto Rico I oxic Substances Control Act (ISCA) Inventory \*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

Issue date	19-September-2017
Revision date	28-February-2018
Version #	03
List of abbreviations	LD50: Lethal Dose 50%. LC50: Lethal Concentration 50%.
References	IARC Monographs. Overall Evaluation of Carcinogenicity Registry of Toxic Effects of Chemical Substances (RTECS)
Disclaimer	The information in this SDS was obtained from sources which we believe are reliable, but no warranty or representation as to its accuracy or completeness is hereby given. Users should consider the information herein only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal, the safety and health of employees and customers and the protection of the environment.