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	ion of the substance/mixture and of the company/undertaking
1.1 Product Identifier	on of the substance/inixture and of the company/undertaking
1.1.1 Trade name/designation	c.
Battery Electrolyte	
	the substance or mixture and uses advised against
1.2.1 Relevant identified uses	
Used to activate dry bat	teries
1.2.2 Uses advised against:	
Any other not listed abo	ve
1.3 Details of the supplier	
1.3.1 Supplier:	
Yuasa Battery, Inc.	
1.3.2 Website	
www.yuasabatteries.co	<u>n</u>
1.3.3 Information contact	
2901 Montrose Ave.	
Laureldale, PA 19605	
United States	
1.3.4 National contact	(10)020 5701
	nental Resources: (610)929-5781
1.4 Emergency Telephone Nur CHEMTREC: Dom	estic (800)424-9300
	national: 1(703)527-3887
Intel	lational. 1(703)327-3887
	Section 2: Hazards identification
2.1 Classification of the subst	
	to Regulation (EC) No 1272/2008 [CLP/GHS]
8B: Non flammable cor	
	g to 67/548/EEC or 1999/45/EC
Xi: Irritating	
C: Corrosive	
2.2 Label elements	
2.2.1 Labeling according to F	Regulation (EC) No 1272/2008
2.2.1 Labeling according to F Product identifier:	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms:	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms:	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms:	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms:	Battery
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms:	
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms: Xn: Harmful Xi: Ir	Battery
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms:	Battery
2.2.1 Labeling according to F Product identifier: Valve Regulated Lead I Hazard pictograms: Xn: Harmful Xi: Ir	Battery

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2.3 Other hazards

Adverse human health effects and symptoms:

Inhalation:	(Acute): May cause corrosive burns – irreversible damage.
	(Chronic): Repeated or prolonged exposure to corrosive fumes may cause bronchial
	irritation with chronic cough.
Skin:	(Acute): Causes severe skin burns and eye damage.
	(Chronic): Repeated or prolonged exposure to corrosive materials will cause dermatitis.
Eye:	(Acute): Causes serious eye damage.
	(Chronic): Repeated or prolonged exposure to corrosive materials or fumes may cause
	conjunctivitis.
Ingestion:	(Acute): May cause irreversible damage to mucous membranes.
	(Chronic): Repeated or prolonged exposure to corrosive materials or fumes may cause
	gastrointestinal disturbances.

Routes of Entry:

Inhalation, Skin, Eye, Ingestion/Oral

Medical conditions aggravated by exposure:

Lungs, Skin

Acute exposure to sulfuric acid causes severe irritation, burns and permanent tissue damage to all routes of exposure.

Chronic exposure to sulfuric acid may cause erosion of tooth enamel, inflammation of nose, throat and respiratory system.

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Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	%	Name	WHMIS	Classification according
		[weight]		Classifications	to CLP (1272/2008)
7664-93-9	231-639-5	30-40%	Sulfuric	D1A, E(including >51%,	C; R35; S1/2, S26, S30,
			Acid	<=51%)	S45
7732-18-5	231-791-2	60-70%	Water	Uncontrolled product according to WHMIS classification criteria.	Not Listed

Under United States Regulations (29 CFR 1900.1200 – Hazard Communication standard), this product is considered hazardous. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered hazardous.

Section 4: First Aid Measures

- 4.1 Description of first aid measures
- 4.1.1 Eye contact:
- Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. 4.1.2 Inhalation:

Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Do not use mouth - to - mouth method if victim inhaled the substance.

4.1.3 Skin contact: For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes.

4.1.4 Ingestion:

Give plenty of water to drink. Do NOT induce vomiting. Obtain medical attention immediately if ingested.4.1.5 Self-protection of the first aider:

If artificial respiration is required use a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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	Section 5: Firefighting measures
5.1	Extinguishing media:
5.1.1	Suitable extinguishing media:
	Small Fires: Dry chemical, CO2 or water spray
	Large Fires: Dry chemical, CO2, alcohol – resistant foam or water spray.
5.1.2	Unsuitable extinguishing media:
	Any not listed above
5.2	Special hazards arising from the substance or mixture
5.2.1	Hazardous combustion products:
	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive
5 2	fumes. A duice for fire fichterer
5.3	Advice for fire-fighters:
	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where
	direct contact with the substance is possible. Wear chemical protective clothing that is specifically
	recommended by the manufacturer. It may provide little or no thermal protection.
	As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all
	directions.
	Keep out of low areas.
	Keep unauthorized personnel away
	Stay upwind.
5.4	Additional information:
	Reacts violently with metals, nitrates, chlorates, carbides and other organic materials. Reacts with most
	metals to yield explosive flammable hydrogen gas.
<i>c</i> 1	Section 6: Accidental release measures
6.1	Personal precautions, protective equipment and emergency procedures
6.1	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate
	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
6.1 6.1.1	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For non-emergency personnel
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6.1.16.1.26.2	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For non-emergency personnel Protective equipment: Wear chemical gloves For emergency responders ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container. Personal protective equipment: Wear chemical gloves, goggles, acid resistant clothing and boots, respirator if insufficient ventilation. Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.
 6.1.1 6.1.2 6.2 6.3 	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For non-emergency personnel Protective equipment: Wear chemical gloves For emergency responders ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container. Personal protective equipment: Wear chemical gloves, goggles, acid resistant clothing and boots, respirator if insufficient ventilation. Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Methods and material for containment and cleaning up
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 6.1.1 6.1.2 6.2 6.3 6.3.1 	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For non-emergency personnel Protective equipment: Wear chemical gloves For emergency responders ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container. Personal protective equipment: Wear chemical gloves, goggles, acid resistant clothing and boots, respirator if insufficient ventilation. Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Methods and material for containment and cleaning up For containment: Stop leak if you can do it without risk. Absorb with earth sand or other non-combustible material. Do not allow discharge of unneutralized acid to sewer. Cautiously neutralize spilled liquid.
 6.1.1 6.1.2 6.2 6.3 	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For non-emergency personnel Protective equipment: Wear chemical gloves For emergency responders ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container. Personal protective equipment: Wear chemical gloves, goggles, acid resistant clothing and boots, respirator if insufficient ventilation. Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Methods and material for containment and cleaning up For containment: Stop leak if you can do it without risk. Absorb with earth sand or other non-combustible material. Do not allow discharge of unneutralized acid to sewer. Cautiously neutralize spilled liquid. For cleaning up:
 6.1.1 6.1.2 6.2 6.3 6.3.1 	Personal precautions, protective equipment and emergency procedures Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For non-emergency personnel Protective equipment: Wear chemical gloves For emergency responders ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container. Personal protective equipment: Wear chemical gloves, goggles, acid resistant clothing and boots, respirator if insufficient ventilation. Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Methods and material for containment and cleaning up For containment: Stop leak if you can do it without risk. Absorb with earth sand or other non-combustible material. Do not allow discharge of unneutralized acid to sewer. Cautiously neutralize spilled liquid.

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	Section 7: Handling and storage				
7.1	Precautions for safe handling				
7.1.1	Protective measures:				
	Handle and open container with care. Avoid contact with skin and eyes. Use only with adequate ventilation.				
	Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive				
	liquid to water while stirring to prevent release of heat, steam and fumes.				
7.1.2	Advice on general occupational hygiene				
	Do not get in eyes or on skin or clothing. Wash thoroughly with soap and water after handling and before				
	eating, drinking, or using tobacco. Eyewash stations and safety showers should be provided with unlimited				
	water supply. Handle in accordance with good industrial hygiene and safety practice.				
7.2	Conditions for safe storage, including any incompatibilities:				
	Technical measures and storage conditions:				
	Keep away from incompatible materials. Store locked up. Keep container/package tightly closed in a cool,				
	well-ventilated place. Ventilate enclosed areas.				
	Storage class:				
	Class 8B: Non-flammable corrosive materials				
	Section 8: Exposure controls/personal protection				

- 8.1 Control parameters
- 8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
TWA (ACGIH) TWA (CA ON) STEL(CA QU) TWA(CA QU) STEL (CH) TWA(CH) STEL(FI) TWA(FI) Ceiling(DE) MAK(DE) Ceiling(JP) TWA(ME)	Sulfuric Acid	231-639-5	7664-93-9	0.2 mg/m3 0.2 mg/m3 3 mg/m3 1 mg/m3 2 mg/m3 1 mg/m3 1 mg/m3 0.1 mg/m3 peak 0.1 mg/m3 1 mg/m3 1 mg/m3	Thoracic fraction Thoracic Inhalable fraction Inhalable fraction
TWA(NIOSH) TWA(OSHA) 8.2 Exposure control	ols			1 mg/m3 1 mg/m3	

8.2.1 Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

- 8.2.2 Personal protective equipment:
- 8.2.2.1 Pictograms:



Information on basic physical and chemical properties

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8.2.2.2 Eye/Face protection: Wear face shield and eye protection.8.2.2.3 Skin protection:

9.1

Wear protection:
 Wear protective gloves with elbow length gauntlet.
 Wear synthetic apron. Under severe exposure or emergency conditions, wear acid-resistant clothing and boots.

8.2.2.4 Respiratory protection: None required under normal conditions of use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Section 9: Physical and Chemical Properties

9.1.1 Appearance Physical state: Liquid Color: Clear **Odor:** Pungent Odor threshold: No Data 9.1.2 Safety relevant basic data pH (20 °C): No Data Melting point/range(°C): No Data Initial boiling point/range (°C): 95-95.5556 Decomposition temperature (°C): No Data Flash point (°C): No Data Ignition temperature (°C): No Data Vapor pressure (hPa): 10 mmHg Vapor density (air = 1): 1 Density (g/cm3): 10.1392-11.2658 lbs/gal Bulk density (kg/m3): No Data Specific Gravity/Relative Density (water=1): 1.215-1.35 Water solubility (20°C in g/l): 100% Solubility(ies): No Data Partition coefficient: No Data N-Octanol/Water (log Po/w): No Data Viscosity, dynamic (mPa s): No Data 9.1.3 Physical hazards: Flammable gases Metal corrosion 9.2 Other safety information: Properties of explosive atmospheres (mixtures): Gases and vapors: No Data Dusts: No Data Physical chemical properties of nanoparticles: No Data Limiting oxygen concentration: No Data Bulk density: No Data Solubility in different media: No Data Stability in organic solvents and identity of relevant degradation products: No Data

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Evaporation rate: 1 n-butyl, Acetate=1 Conductivity: No Data Surface tension: No Data Dissociation constant in water (pKa): No Data Oxidation-reduction Potential: No Data Fat solubility (solvent – oil to be specified): No Data Critical temperature: No Data

Section 10: Stability and reactivity

10.1	Reactivity:
	Not reactive
10.2	Chemical stability:
	Stable under normal temperatures and pressures
10.3	Possibility of hazardous reactions
	Hazardous polymerization will not occur.

10.4 Conditions to avoid: Contact with organic materials, combustibles, strong reducing agents, metals, strong oxidizers, water.
10.5 Incompatible materials: Reacts violently with strong reducing agents, metals, sulfur trioxide, strong oxidizers and water. Contact with metals may product toxic sulfur dioxide fumes and may release flammable hydrogen gas.

10.6 Hazardous decomposition products: Sulfur trioxide, carbon monoxide, sulfuric acid fumes, and sulfur dioxide.

Section 11: Toxicological Information						
11.1 Information on toxicologica	ll effects:					
Sulfuric Acid (7664-93-9)	Effect dose /	Species	Method	Time		
	Concentration					
Acute oral toxicity	2140 mg/kg	Rat	LD50			
Acute inhalative toxicity (vapor)	30 mg/m3	Guinea Pig	LCLo	7 Days (con.)		
Acute inhalative toxicity (vapor)	510 mg/m3	Rat	LC50	2 Hours		
Acute inhalative toxicity (vapor)	3 mg/m3	Human	LCLo	24 Weeks		
Irritation	5 mg	Rabbit	SEV (eye)	30 second rinse		
Irritation	250 ug	Rabbit	SEV (eye)			
Water (7732-18-5)	Effect dose /	Species	Method	Time		
	Concentration					
Acute oral toxicity	>90 mL/kg	Rat	LD50			

11.2 Other information:

11.2.1 Carcinogenic Effects:

The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Category 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. Batteries subjected to abusive charging at excessively high currents for prolonged periods without vent caps in place may create a surrounding atmosphere of the offensive strong inorganic acid mist containing sulfuric acid.

Carcinogenic Effects				
CAS IARC NTP				
Sulfuric acid	7664-93-9	Group 1-Carcinogenic	Not established	

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11.2.2 Routes of exposure:

11.2.2.1 In case of ingestion:

(Acute): May cause irreversible damage to mucous membranes.

(Chronic): Repeated or prolonged exposure to corrosive materials or fumes may cause gastrointestinal disturbances.

- 11.2.2.2 In case of skin contact: (Acute): Causes severe skin burns and eye damage.
 - (Chronic): Repeated or prolonged exposure to corrosive materials will cause dermatitis.
- 11.2.2.3 In case of inhalation:
 - (Acute): May cause corrosive burns irreversible damage.

(Chronic): Repeated or prolonged exposure to corrosive fumes may cause bronchial irritation with chronic cough.

11.2.2.4 In case of eye contact:

(Acute): Causes serious eye damage.

(Chronic): Repeated or prolonged exposure to corrosive materials or fumes may cause conjunctivitis.

Section 12: Ecological information

- 12.1 Toxicity:
 - Aquatic toxicity

12.1.1 Substances

Acute (short-term) toxicity: Sulfuric Acid

Effect dose	Exposure time	Species	Method	Evaluation	Remark
82 mg/L	24 Hours	Brachydanio rerio	LC50		
22 mg/L	96 Hours	Cyprinus carpio	LOEC		Lowest observable effect concentration

Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/packaging disposal:

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

13.1.2 Waste codes/waste designations according to EWC/AVV: 16 06 06

13.2 Additional information:

Any waste marked with an asterisk (*) is considered as a hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive unless Article 1(5) of that Directive applies.

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT) UN-No: UN2796 Proper shipping name: Battery fluid, acid Class(es): 8 Packing group: II Hazard label(s): 8 Special provision(s)/Exceptions: A3, A7, B2, B15, IB2, N6, N34, T8, TP2, 154 Passenger aircraft/rail: 1.00 L Cargo aircraft/rail: 30.00 L

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- 14.2 Land transport (ADR/RID/GGVSEB): UN-No: UN2796 Proper shipping name: Battery fluid, acid Class(es): 8 Classification Code: C1 Packing group: II Hazard label(s):8 Special provision(s): -
- 14.3 Land transport (TDG): UN-No: UN2796 Proper shipping name: Battery fluid, acid Class(es): 8 Packing group: II Hazard label(s): 8 Special provision(s): -Explosive Limit and Limited Quantity Index: 1.00 Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index: 1.00
- 14.4 Sea transport (IMDG-Code/GGVSee): UN No: UN2796
 Proper shipping name: Battery fluid, acid Class(es): 8
 Packing group: II
 Marine Pollutant: No Special provision(s): -
- 14.5 Air transport (ICAO-IATA/DGR): UN No: UN2796 Proper shipping name: Battery fluid, acid Class(es): 8 Packing group: II Special provision(s): -

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

15.1.1 National regulations(Canada): WHMIS Classification: Class E: Corrosive materials present at greater than 1% This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Controlled Products Regulations. Canada DSL: The following substances are listed on the Canadian DSL: Sulfuric Acid (7664-93-9); Water (7732-18-5)

Canada NDSL:

None of the components on this SDS are listed on the Canadian NDSL:

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WHMIS:

Ingredient Disclosure List					
Substance	CAS No.	Wt %	Disclosure Limit %		
Sulfuric Acid	7664-93-9	30-40%	1%		
Water	7732-18-5	60-70%	Not Listed		

CEPA:

Priority Su	ibstances List		
Substance	CAS No.	Wt %	Status
Sulfuric Acid	7664-93-9	30-40%	Not Listed
Water	7732-18-5	60-70%	Not Listed

- 15.1.2 National regulations(China): The following components are listed on the Inventory list for China: Sulfuric Acid (7664-93-9); Water (7732-18-5)
- 15.1.3 National regulations(European Union): Classification: Xn; Xi; C Risk Phrases: R35, R36, R38 Safety Phrases: S1/2, S26, S30, S45 The following components are listed on the EU EINECS: Sulfuric acid (7664-93-9); Water (7732-18-5)

None of the above mentioned components are listed on the EU ELNICS.

CLP (1272/2008) Concentration Limits							
Substance	CAS	5	WT %		Cor	centration Limit	
Sulfuric Acid	766	4-93-9	30-	40	15%	5<=C: C; R35 5%<=C<15%: Xi; R36/38	
Water	773	2-18-5	60-	70	Not	Listed	
Substance		CAS		WT	%	Substances and Preparations	
Sulfuric Acid		7664-93	8-9	30-4	-0	В	
Water		7732-18	8-5	60-7	0	Not Listed	

Germany

Emis	ssion Limits	for Inorga	nic Dusts

Linission Linits for 1	morganic Dus	13	
Substance	CAS	WT %	Emission Limit
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

15.1.4 National regulations(Japan):

The following chemicals are on the Japanese ENCS: Sulfuric Acid (7664-93-9); Water (7732-18-5)

ISHL Harmful substances whose names are to be indicated on the label

Substance	CAS	WT %	Limit
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

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ISHL Prevention of Lead Poisoning					
Substance	CAS	WT %	Status		
Sulfuric Acid	7664-93-9	30-40	Not Listed		
Water	7732-18-5	60-70	Not Listed		

ISHL Notifiable Substances	1		
Substance	CAS	WT %	Limit
Sulfuric Acid	7664-93-9	30-40	1% weight
Water	7732-18-5	60-70	Not Listed

Air Pollution Control Law: Emission Standards for Air Pollutants

Substance	CAS	WT %	Emission Limit
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

Pollutant Release Transfer Register (PRTR): Class 1 Substances

Substance	CAS	WT %	Status
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

ISHL Working Environment Evaluation Standards: Administrative Control Levels

Substance	CAS	WT %	Limit
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not listed

15.1.5 National regulations(Korea):

The following substances are listed on the Korean KECL:

Sulfuric Acid (7664-93-9); Water (7732-18-5)

15.1.6 National regulations(Mexico):

Pollutant Release and Transfer Register: Reporting Emissions

Substance	CAS	WT %	Threshold Quantities
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

15.1.7 National regulations(United States):

The following substances are on the MA, NJ, and PA Right To Know Lists: Sulfuric Acid (7664-93-9); Water (7732-18-5)

The following substances are on the TSCA inventory: Sulfuric Acid (7664-93-9); Water (7732-18-5

Substance	CAS	WT %	Limit
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

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CAA: 1990 Hazardous Air Pollutants

Substance	CAS	WT %	Limit
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

CERCLA/SARA

Hazardous Substance	es and Their R	eportable (Quantities
Substance	CAS	WT %	Reportable Quantity
Sulfuric Acid	7664-93-9	30-40	1000 lb final RQ; 454 kg final RQ
Water	7732-18-5	60-70	Not Listed

Section 302 Extremely Hazardous Substances EPCRA RQs

Substance	CAS	WT %	Reportable Quantity
Sulfuric Acid	7664-93-9	30-40	1000 lb EPCRA RQ
Water	7732-18-5	60-70	Not Listed

Section 302 Extremely Hazardous Substances TPQs

Substance	CAS	WT %	Threshold Planning Quantity
Sulfuric Acid	7664-93-9	30-40	1000 lb TPQ
Water	7732-18-5	60-70	Not Listed

RCRA

Basis for Listing: Appendix VII

	penam in		
Substance	CAS	WT %	Basis
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

D Series Wastes: Max Concentration of Contaminants for the Toxic Characteristic

Substance	CAS	WT %	Regulatory Level
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

Hazardous Constituents: Appendix VIII to 40 CFR 261

Substance	CAS	WT %	Status
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

California: California Proposition 65

California. California i Toposi	11011 0.5	12	
Substance	CAS	WT %	Status
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

Pennsylvania

Environmental Haza	rd list		
Substance	CAS	WT %	Regulatory Level
Sulfuric Acid	7664-93-9	30-40	
Water	7732-18-5	60-70	Not Listed

Trade name: Battery Electrolyte MSDS No. 853022 Print date: 08DEC2011

Revision date: 08DEC2011

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Special hazardous Substances

Substance	CAS	WT %	Regulatory Level
Sulfuric Acid	7664-93-9	30-40	Not Listed
Water	7732-18-5	60-70	Not Listed

Rhode Island: Hazardous Substances List

Substance	CAS	WT %	Regulatory Level
Sulfuric Acid	7664-93-9	30-40	Toxic; Flammable
Water	7732-18-5	60-70	Not Listed

Section 16: Other Information

16.1	Relevant R-, H- and EUH-phrases (number and full text):						
	Hazard Abbreviations:						
	Xn: Harmful						
	Xi: Irritant						
	C: Corrosive						
	Risk Phrases:						
	R35: Causes severe burns						
	R36: Irritating to eyes						
	R38: Irritating to skin						
	Safety Phrases:						
	S1/2: Keep locked up and out of the reach of children						
	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice						
	S30: Never add water to this product						
	S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)						
	Hazard statements:						
	H314: Causes severe skin burns and eye damage						
	H315: Causes skin irritation						
	H335: May cause respiratory irritation						
	Precautionary statements:						
	P102: Keep out of reach of children.						
	P233: Keep containers tightly closed.						
	P210: Keep away from heat, sparks, and open flame while charging batteries.						
16.2	Further information:						

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