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### Section 1. PRODUCT IDENTIFICATION

Section 1. PRO	JOCT IDENTIFICATION			
Product Name	Lead Acid Battery-Wet			
Other Names	Batteries wet filled with acid, electric storage, Enhanced Flood Batteries, Idle-Stop-Start wet batteries			
Use	Automotive, Industrial Standby Power and Motive Power.			
Supplier Name and Address	Century Yuasa Batteries 37-65 Cobalt St Carole Park QLD 4300			
Telephone	(07) 3361 6161			
Emergency (24 Hou	rs) (07) 3361 6707			
Relevant identified	uses Starting, lighting, ignition for car, truck, etc			
Section 2. HAZ	ARDS IDENTIFICATION			
HAZARDOUS CHEM	IICAL. DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.			
Poisons Schedule	Poisons Schedule S6 Classified as S6:- Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)			
Signal Word	gnal Word DANGER			
GHS Classification	Metal Corrosion Category 1, Acute Toxicity (Oral) Category 4, Acute Toxicity (Inhalation) Category 3, Skin Corrosion/Irritation Category 1A, Serious Eye Damage Category 1, Carcinogen Category 1A, Reproductive Toxicity Category 1A, STOT - SE (Resp. Irr.) Category 3*, STOT - RE Category 2, Acute Aquatic Hazard Category 1, Chronic Aquatic Hazard Category 1 *LIMITED EVIDENCE			













Environment

### IN THE EVENT OF THE INTERNAL BATTERY COMPONENTS BEING EXPOSED

Hazard Statements H290 H302	May be corrosive to metals Harmful if swallowed	H350 H360	May cause cancer May damage fertility or the unborn child
H314	Causes severe skin burns and eye damage	H373	May cause damage to organs through prolonged or repeated exposure
H318	Causes serious eye damage	H400	Very toxic to aquatic life
H331	Toxic if inhaled	H410	Very toxic to aquatic life with long lasting effects
H335	May cause respiratory irritation		

#### IN THE EVENT OF EXPOSURE TO INTERNAL COMPONENTS

Precautionary	<b>Prevention</b>		<u>Response</u>	
Statements	P101	If medical advice is needed, have produc container or label at hand.	t <b>P301+P312</b>	IF SWALLOWED: Call a POISON CENTER/ doctor/ physician/ first aider/if you feel unwell.
	P102	Keep out of reach of children	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce
	P273	Avoid release to the environment		vomiting.
	P103	Read label before use.	P302+P352	IF ON SKIN: Wash with plenty of water and soap
	P280	Wear protective gloves /protective clothing/ eye protection/ face protection	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
	P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P271	Use only outdoors or in a well-ventilated area.	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	<u>Storage</u>		P308+P313	IF exposed or concerned: Get medical advice/attention
	P405	Store locked up	P310	Immediately call a POISON CENTER/ doctor/ physician/ first aider
			P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	<u>Recycle</u>	Refer to section 13	P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/ doctor/ physician/ first aider
	<u>Disposal</u>		P363	Wash contaminated clothing before reuse.
	P501	Dispose of contents, container to	P390	Absorb spillage to prevent material damage.
		authorised chemical landfill or if organic, to high temperature incineration	P391	Collect spillage.



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Section 3. COMPOSITION, INFORMATION ON INGREDIENTS					
Ir	gredient	Identification	Content % weight		
Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> )		CAS 7664-93-9	20-35%		
Lead (Pb)		CAS 7439-92-1	30-40%		
Lead Dioxide	(PbO <sub>2</sub> )	CAS 1309-60-0	30-40%		
Inert material	- ABS resin or	CAS 9003-56-9			
Polypropylene		CAS 9003-07-0	5-8%		
Polyethylene		CAS 9002-88-4			
Section 4. FI	RST AID MEASURES				
DESCRIPTION OF	FIRST AID MEASURES				
Eye contact	<ul> <li>ye contact</li> <li>If this product comes in contact with the eyes: <ul> <li>Immediately hold eyelids apart and flush the eye continuously with running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>Transport to hospital or doctor without delay.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> </li> </ul>				
Skin contact	Quickly remove	sh body and clothes with large amounts of wate all contaminated clothing, including footwear.	er, using safety shower if available. water until advised to stop by the Poisons Information		
Inhalation					
Ingestion	<ul> <li>For advice, contact a Poisons Information Centre or a doctor at once.</li> <li>Urgent hospital treatment is likely to be needed.</li> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Transport to hospital or doctor without delay.</li> </ul>				
MEDICAL ATTENTION AND SPECIAL TREATMENT Indication of any immediate medical attention and special treatment needed					
<ul> <li>Treat symptomatically. For acute or short term repeated exposures to strong acids:</li> <li>Airway problems may arise from laryngeal edema and inhalation exposure. Treat with 100% oxygen initially.</li> <li>Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling</li> <li>Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise.</li> <li>Strong acids produce a coagulation necrosis characterised by formation of a coagulum (eschar) as a result of the desiccating action of the acid on proteins in specific tissues.</li> </ul>					
Ingestion:	<ul> <li>DO NOT attemp</li> <li>Be careful to av</li> <li>Limit fluids to or</li> <li>Charcoal has no</li> </ul>	Immediate dilution (milk or water) within 30 minutes post ingestion is recommended. DO NOT attempt to neutralise the acid since exothermic reaction may extend the corrosive injury. Be careful to avoid further vomit since re-exposure of the mucosa to the acid is harmful. Limit fluids to one or two glasses in an adult. Charcoal has no place in acid management. Some authors suggest the use of lavage within 1 hour of ingestion.			
Skin:	Treat chemical	equire copious saline irrigation. al burns as thermal burns with non-adherent gauze and wrapping. -degree burns may benefit from topical silver sulphadiazine.			
Eye:	should last at le required. • Cyclopaedic dro vasoconstrictive	e injuries require retraction of the eyelids to ensure thorough irrigation of the conjuctival cul-de-sacs. Irrigation ould last at least 20-30 minutes. DO NOT use neutralising agents or any other additives. Several litres of saline are uired. clopaedic drops, (1% cyclopentolate for short-term use or 5% homatropine for longer term use) antibiotic drops, soconstrictive agents or artificial tears may be indicated dependent on the severity of the injury. rroid eye drops should only be administered with the approval of a consulting ophthalmologist).			

#### ETQ Document SDS-00006 AU SAFETY DATA SHEET CenturyYuasa Rev No 02 LEAD ACID BATTERY, WET, FILLED Last review Date 01/09/2023 WITH ACID Page 3 of 7 Section 5. FIRE FIGHTING MEASURES Recommended **Extinguishing Media** Water spray or fog. Dry chemical powder. Carbon dioxide. BCF\ Vaporising Liquid Foam (Where regulations permit). X **Extinguishing Media** Water may cause electrical hazard If terminals not protected. . . Incompatibilities Use extinguishing media suitable for surrounding area. **Specific Hazards** Non-combustible. Hazardous Not considered to be a significant fire risk. Decomposition Acids may react with metals to produce hydrogen, a highly flammable and explosive gas. Heating may cause expansion or decomposition leading to violent rupture of containers. **Fire Incompatibility** Avoid strong bases. Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result Do not approach containers suspected to be hot. Fire Fighting, Special Protective Equipment . Cool fire exposed containers with water spray from a protected location. & Precautions If safe to do so, remove containers from path of fire. Section 6. ACCIDENTAL RELEASE MEASURES Personal Precautions . Avoid breathing vapours and contact with skin and eyes. Environmental Prevent, by any means available, spillage from entering drains or water course. Precautions With a clean shovel, transfer spilled material into clean-labelled containers for disposal. Methods and Wash area down with excess water. materials for containment and Do not allow water to enter containers of acid as a violent reaction may occur. cleaning up Prevent from entering drains, sewers, streams or other bodies of water. If contamination of sewers or waterways has occurred, advise the local emergency services Protective Equipment . Personal Protective Equipment advice is contained in Section 8 of the SDS. **Minor Spills** Emergency Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before Procedures discharge or disposal of material. Check regularly for spills and leaks.

Clean up all spills immediately.

Avoid breathing vapours and contact with skin and eyes.

#### Major Spills

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.
- Prevent, by any means available, spillage from entering drains or water course.

#### Section 7. HANDLING AND STORAGE

Safe	Handling	

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Handle gently. Use good occupational work practice.
- Observe manufacturer's storage and handling recommendations contained within this SDS.
- Avoid smoking, naked lights, heat or ignition sources.
- Avoid mechanical and thermal shock and friction.
- Use in a well ventilated area.
- Avoid contact with incompatible materials.
- When handling DO NOT eat, drink or smoke.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately.



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Conditions for Safe Storage Includes Incompatible	<ul> <li>Store in original Keep conta</li> <li>Store in a construction</li> <li>Store away</li> </ul>	act with moisture. ginal containers. iners securely sealed. ool, dry, well-ventilate from incompatible ma g, naked lights, heat or	terials and foodstuff	containers.		
Suitable container f Battery contents	<ul> <li>DO NOT us</li> <li>All packaging Goods.</li> <li>Class 1 is un</li> </ul>	elf-contained but it sho se aluminium or galvar of for Class 1 Goods shall ique in that the type of pa o a particular division	nised containers be in accordance with th	ne requirements of the re	elevant Code for the tra	nsport of Dangerous
Storage incompatibility contents of battery	Storage       • Avoid reaction with oxidising agents         incompatibility       • Avoid strong bases.				olutions have a pH of	
✓ = May be s	stored together	() = May be store	ed together with spe	ecific preventions	X = Must not be	stored together
<b>X</b>	<b>X</b>	V	X	<b>∨</b>	✓	V
FLAMMABLES			OXIDISERS	HARMFUL	IRRITANT	CORROSIVE
		ERSONAL PROTECTION	•• •			
AUSTRALIAN EXPO	DSURE STANDARD	S (Occupational Exp	osure Limits)			
Ingredien	it of the	Material name		TWA	STI	EL

ingreulent	waterial fiame	IWA	SIEL
Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> )	Sulphuric acid	1 mg/m3	3 mg/m3
Lead (PbO)	Lead, inorganic dusts & fumes (as Pb)	0.05 mg/m3	Not Available
Lead dioxide (PbO <sub>2</sub> )	Lead dioxide	0.05 mg/m3	Not Available

### APPROPRIATE ENGINEERING CONTROLS

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

 Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

#### PERSONAL PROTECTION



Respirator Type

- Not normally required; however if in contact with internal components:-
- Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	E-AUS P2	-	E-PAPR-AUS / Class 1 P2
up to 50 x ES	-	E-AUS / Class 1 P2	-
up to 100 x ES	-	E-2 P2	E-PAPR-2 P2 ^

- Full-faceE = Sulfur dioxide(SO2),



### Eye Protection

- Safety glasses with side shields.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.



Footwear
 Wear safety footwear or safety gumboots



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Other Protection
 PVC protective suit may be required if exposure severe.

Eyewash unit

Section 9. PHYSICAL AND CHEMICAL PROPERTIES	Section 9.	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance

Skin contact

The battery is a manufactured article containing a clear mobile acidic liquid. The electrolyte mixes with water.
Rectangular plastic casing with exposed terminals for electrical connections. High weight to volume ratio. The hazard of lead acid batteries include:
CORROSIVE CONTENTS SHORT CIRCUIT - accidental discharge. Current flow by external short circuit may heat metals to welding temperatures with fire hazard; Internal heat generated may boil battery acid with evolution of large

amounts of highly corrosive acid mist/vapour. Boiling may develop internal pressure and cause explosion with scattering of acid contents. Battery circuits must include electrical fusible links. Terminals and external metal parts must be insulated. Do not clean terminals, battery top with conducting liquids.

• SPILL - damage to casing or overturning may cause corrosive acid contents to spill, causing skin burns on contact. Acid reacts quickly with many metals, generating highly flammable and explosive hydrogen gas; may also weaken metal structures. All lead acid batteries must be vented

Chemical hazards relate to the contents of the battery. Yellow crystalline; does not mix well with water (1%).

Solub	le in acetone.	<b>,</b>	( ) ,
Odour	Not Available	Lower explosive limits	4.1% hydrogen gas
Odour threshold	Not Available	Vapour pressure (kPa)	Not Available
рН	<1 (for acid).	Vapour density (Air = 1)	>1
Melting point/ freezing point (°C)	Not Applicable	Relative density (Water = 1)	1.2-1.3 (Sulphuric acid electrolyte)
Initial boiling point and boiling range (°C)	95-95.55 °C	Solubility in water (g,L)	Miscible (acid)
Flash point	Not Applicable	Partition coefficient: n- octanol/water	Not Available
Evaporation rate	<1 BuAC = 1 (for acid)	Auto-ignition temperature	Not Available
Flammability	Not Applicable	Decomposition temperature (°C)	Not Available
Upper explosive limits	74.2%	Viscosity	Not Available

Section 10. STABILITY	AND REACTIVITY				
Reactivity	<ul> <li>See section 7</li> <li>Contact with alkaline material liberates heat</li> </ul>	Chemical stability	<ul> <li>Product is considered stable under normal handling conditions.</li> <li>Stable under normal storage conditions.</li> <li>Hazardous polymerization will not occur.</li> </ul>		
Possibility of hazardous reactions	<ul> <li>See section 7</li> <li>Acids may react with metals to produce hydrogen, a highly flammable and explosive gas.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> </ul>	Conditions to avoid	See section 7		
Incompatible materials	See section 7	Hazardous decomposition products	See section 5		
Section 11. TOXICOLO	GICAL INFORMATION				
Inhaled	<ul><li>may produce toxic effect</li><li>Corrosive acids can can</li></ul>	may produce toxic effects.			
Ingestion	• Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150				

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.
Ingestion of acidic corrosives may produce burns around and in the mouth, the throat and oesophagus.

- Immediate pain and difficulties in swallowing and speaking may also be evident.
- Skin contact with acidic corrosives may result in pain and burns; these may be deep with distinct edges and may
  heal slowly with the formation of scar tissue.
  - Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

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<ul> <li>epithelia generally recover rapidly and completely</li> <li>As above</li> <li>Chronic effects</li> <li>Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mc lining. Initiation of airways to lung, with cough, and inflammation of lung tissue often occurs.</li> <li>Substance accumulation, in the human body, is likely and may cause some concern following repeated or lo term occupational exposure.</li> <li>Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin if swallowed.</li> <li>Subhuric Acid:</li> <li>Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This me be due to a non-aliergenic condition known as reactive airways dysfunction syndrome (RADS) which can confollowing exposure to high levels of highly initiating compound. Key criteria for the diagnosis of RADS into a documented exposure to the initiant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyper reactivity on metacholine challenge te and the lack of minimal lymphocytic inflammation, without ecosiophilia, have also been included in the criteri diagnosis of RADS. Occupational exposures to sirong inorganic acid mists of sulphuric acid:</li> <li><i>Leadi</i>:</li> <li>WARNING: Lead is a cumulative poison and has the potential to cause abortion and intellectual impairment unborn children of pregnant workers.</li> <li>An inorganic compound such as Lead is a cumulative harmful poison when exposed in small amounts can r the body's content to toxic levels. Prolonged or repeated exposure to lead toxicity effects the nervous syster (memory) loss, tiredness, headaches, fatigue, irritability, decreased libido, dizziness, depression, encephalopathy (bra damage caused by altered brain function and structure), behavioural effects, altered mood states, disturbances to vision or changes in hearing, muscle and joint weakn</li></ul>		
<ul> <li>Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of motilining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs.</li> <li>Substance accumulation, in the human body, is likely and may cause some concern following repeated or to term occupational exposure.</li> <li>Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin if swallowed.</li> <li>Subburic Acid:</li> <li>Asttma-like symptoms may continue for months or even years after exposure to the material ceases. This me be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can confolowing exposure to high levels of highly initating compound. Key criteria for the diagnosis of RADS include absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asttmassymptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyper reactivity on methacholine challenge te and the lack of minimal lymphocytic inflammation, without eosinophila, have also been included in the criteri diagnosis of RADS. Occupational exposures to strong inorganic acid mists of sulphuric acid:</li> <li>WARNING: Lead is a cumulative poison and has the potential to cause abortion and intellectual impairment unborn children of pregnant workers.</li> <li>An inorganic compound such as Lead is a cumulative harmful poison when exposed in small amounts can refere by scontent to toxic levels. Prolonged or repeated exposure due divisit-drop, heart / bloc vessel (reduced haemoglobin synthesis and production, reduced life span and function of ed blood cells, anaemia, increased blood pressure), digestive system (loss of appetite, anorexia, with severe abdominal pa diarhoea, inflammatin of the stomas of function reduced blood cells, anaemia, inc</li></ul>	Eye	• Direct eye contact with acid corrosives may produce pain, tears, sensitivity to light and burns. Mild burns of the
<ul> <li>Ining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs.</li> <li>Substance accumulation, in the human body, is likely and may cause some concern following repeated or lo term occupational exposure.</li> <li>Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin if swallowed.</li> <li>Sulphuric Acid:         <ul> <li>Asttma-like symptoms may continue for months or even years after exposure to the material ceases. This me be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can confolowing exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asttma-symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyper reactivity on methacholine challenge te and the lack of minimal lymphocytic inflammation, without eosinophila, have also been included in the criter diagnosis of RADS. Occupational exposures to strong inorganic acid mists of sulphuric acid:</li> </ul> </li> <li>WARNING: Lead is a cumulative poison and has the potential to cause abortion and intellectual impairment unborn children of pregnant workers.</li> <li>An inorganic compound such as Lead is a cumulative harmful poison when exposed in small amounts can retered by altered brain function and structure), behavioural effects, altered mood states, disturbances to kison changes in heading, muscle and joint weakness of the arms and legs, (foot-drop and wrist-drop), heart / bloc vessels (reduced haemoglobin synthesis and production, reduced life span and function of red blood cells, anaemia, increased blood pressure), digestive system (loss of appetite, anorexia, with severe abdominal pa diarrhoeae, inflammation</li></ul>	Immediate effects	As above
Lead can accumulate in the skeleton for a very long time.		<ul> <li>Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mouth lining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs.</li> <li>Substance accumulation, in the human body, is likely and may cause some concern following repeated or long-term occupational exposure.</li> <li>Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.</li> <li>Subfuric Acidi</li> <li>Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyper reactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS. Occupational exposures to strong inorganic acid mists of sulphuric acid.</li> <li>WARNING: Lead is a cumulative poison and has the potential to cause abortion and intellectual impairment to unborn children of pregnant workers. An inorganic compound such as Lead is a cumulative harmful poison when exposed in small amounts can raise the body's content to toxic levels. Prolonged or repeated exposure to lead toxicity effects the nervous system (memory)</li> <li>loss, tiredness, headaches, fatigue, irritability, decreased libido, dizziness, depression, encephalopathy (brain damage caused by altered brain function and structure), behavioural effects, altered mood states, disturbances in</li></ul>

Acute Toxicity	Skin Irritation/ Corrosion	Serious Eye Damage/ Irritation	Respiratory or Skin sensitisation	Mutagenicity	Carcinogenicity	Reproductivity	STOT - Single Exposure	STOT - Repeated Exposure	Aspiration Hazard
✓	✓	$\checkmark$	1	1	$\checkmark$	~	✓	✓	

✓ = Data required to make classification available ↓ = Data available but does not fill the criteria for classification ↓ = Data Not Available to make classification

Section 12. ECOLOGI	CAL INFORMATION
Ecotoxicity	<ul> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>DO NOT discharge into sewer or waterways.</li> </ul>
Degradability	No Data available for all ingredients
Bio-accumulative Potential	No Data available for all ingredients
Mobility in Soil	No Data available for all ingredients
Other Adverse Effects	No Data available for all ingredients
Section 13. DISPOSA	L CONSIDERATIONS
Safe Handling & Dispos	al • Dispose in accordance with federal, state or local regulations.
Disposal of Contaminat Packaging	<ul> <li>Recycle wherever possible.</li> <li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal i no suitable treatment or disposal facility can be identified.</li> </ul>
	<ul> <li>Treat and neutralise at an approved treatment plant. Treatment should involve: Mixing or slurrying in water; Neutralisation followed by: burial in a land-fill specifically licenced to accept chemical and / or pharmaceutical wastes or Incineration in a licenced apparatus (after admixture with suitable combustible material)</li> </ul>



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Decontaminate empty containers.

Environmental

Refer to section 15 •

### Regulations

### Section 14. TRANSPORT INFORMATION

REGULATED FOR TRAN	SPORT OF DANGER	ROUS GOODS ADG	^	•
UN Number	2794			
Proper Shipping Name	BATTERIES, WET,	FILLED WITH ACID, electric	c storage	
Transport Hazard Class	Class: 8	Sub risk: Not Applicable	the of the second secon	
Packing group Environmental Hazards	Not Applicable No relevant data		CORROSIVE	$\langle \mathbf{+} 2 \rangle$
Special Precautions	Special provisions Limited quantity	295 1 Litre	8	
Additional Information	Marine Pollutant: =	Yes		
Hazchem Code Other Information	2R Packing instruction	P801	~	
Section 15. REGULATO	DRY INFORMATION			

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS, LEGISLATION

Sulphuric Acid CAS 7664-93-9 Is found on the following regulatory Lists	"Australia Exposure Standards", "Australia Inventory of Chemical Substances (AICS)","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs", "International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List Passenger and Cargo Aircraft", "Australia Hazardous Substances Information System - Consolidated Lists"
Lead CAS 7439-92-1 Is found on the following regulatory Lists	"Australia Exposure Standards", "Australia Inventory of Chemical Substances (AICS)","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs", "Australia Hazardous Substances Information System - Consolidated Lists"
Lead dioxide (PbO2) CAS 1309-60-0 Is found on the following regulatory Lists	"Australia Exposure Standards", "Australia Inventory of Chemical Substances (AICS)","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs", "Australia Hazardous Substances Information System - Consolidated Lists"
Section 16 OTHER RELEVANT INFORM	ΔΤΙΩΝ

#### Section 16. OTHER RELEVANT INFORMATION

<b>Revision Information</b>	<b>Revision N°</b>	Date	Description		
	1	29/10/15	Initial SDS creation		
	2	01/02/2017	Adjusted to lead dioxide; included Inert material		
	3	11/09/19	Corrected "other information" error and added other names, Exposure Limits		
	4	22/04/22	Adjusted acid Percentage weight.		
Abbreviations	AICS	CS Australia Inventory of Chemical Substances			
	APVMA	Australian Pe	Australian Pesticides and Veterinary Medicines Authority		
	AQIS	Australian Qu	uarantine and Inspection Service		
	CAS #	Chemical Ab	stract Service Number – used to uniquely identify chemical compounds		
	IARC	International	Agency for Research on Cancer		
	LC50	Lethal Concentration- toxicity of the surrounding medium that will kill half of the sample population of a specific test-animal in a specified period through exposure via inhalation (respiration)			
	SDS	Safety Data Sheet- (SDS), previously called a Material Safety Data Sheet (SDS),			