



RODNEY'S TRANSPORT SERVICE

# Pollution Incident Response Management Plan (PIRMP)



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## 1. BACKGROUND

This Pollution Incident Response Management Plan (PIRMP) has been developed for Rodney's Transport Service (Victoria depot). The plan applies specifically to the company depots where waste product (used batteries) are stored.

This plan has been developed in response to amendments to the *Protection of the Environment Legislation Amendment Act 2011* (POELA Act) that require holders of environment protection licences to comply with the new requirements. The POELA Act introduces several changes to improve the way pollution incidents are reported, managed and communicated to the general community. The Act includes a new requirement under Part 5.7A of the *Protection of the Environment Operations Act 1997* (POEO Act) to prepare, keep, test and implement a pollution incident response management plan.

## 2. OBJECTIVES

The objectives of the plan are as follows:

- To provide a guide for the operations, actions and notifications to be carried out in the event a pollution incident occurs
- To provide clear documentation of pollution risks, communication procedures to authorities and community regarding pollution incidents
- To articulate the testing and training requirements for a pollution response.
- To identify pre-emptive actions to prevent pollution risks

If there is an identified pollution incident that involves material harm or the threat of material to harm to humans and/or the environment, the PIRMP will be implemented.

## 3. INFORMATION INCLUDED IN THE PRIMP

The PRIMP contains the following sections that comply with the regulatory requirements:

### a) DESCRIPTION AND LIKELIHOOD OF HAZARDS

Rodney's Transport Service is a transport and warehousing operations. The company stores waste product on site as part of the operational requirements of the business. Additionally, loading and unloading of products also occurs on site. The most likely environmental emergencies that may occur are as follows:

- *Chemical leak or leaching that may reach a stormwater or drain. The sources may include but are not limited to:*
  - o Used batteries stored undercover in enclosed shed area (refer Section 8 for more detail)
- *Gas leak that may result in the release of emissions. The sources may include but are not limited to:*
  - o Bottled LPG
  - o Spills associated with recycled batteries where acid may generate hazardous fumes
- *Fire that may result in the release of emissions. The sources may include but are not limited to:*
  - o Battery shed where used batteries are stored containing residual acid (refer section 8 for more detail).

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## **b) PRE-EMPTIVE ACTIONS TO BE TAKEN**

Rodney's Transport Service takes a proactive approach to ensure minimisation of pollutant incidents occur. The following pre-emptive actions have been implemented to assist this process:

- 6 monthly inspections of all Fire Safety Equipment is undertaken on site to ensure equipment is routinely checked and meets the relevant standards and engages Elliot's Fire & Safety, Melbourne to complete the inspection and issue the relevant Fire Safety Certificate
- Loading and unloading areas for used batteries is completed on specially designed concrete to minimise/eliminate leaching should an acid spill occur
- Storage area of used batteries with concrete flooring; bunding of battery storage area, ventilation and lighting to minimise/eliminate leaching should an acid spill occur
- PPE kits located in designated areas on site to access clothing and other items of protection that must be worn/used when undertaking activities that may result in risk exposure
- Training of staff to ensure adequate understanding of the contents of the PIRMP and other associated plans/documentation and the ability to comply and abide
- Site has CTV monitoring 24 hours/day and security access to minimise malicious damage

## **c) INVENTORY OF POLLUTANTS**

The potential pollutants kept on the premises at Rodney's Transport Service (Melbourne depot) are as follows:

- Used batteries (Waste – see map) – 2,000t
- LPG in cylinders (see map) – cylinders in cages under an external awning

## **d) NOTIFICATION PROTOCOL**

Under Section 148 of the POEA Act, the following people have a duty to notify a pollution incident occurring in the course of an activity that causes or threatens material harm to the environment:

- The person carrying out the activity
- An employee or agent carrying out the activity
- An employer carrying out the activity
- The occupier of the premises where the incident occurs

If a pollution incident occurs which causes or threatens material harm to the environment, the incident must be immediately reported to the relevant authority as listed in Section 3 (f).

If a pollution incident occurs and it presents an immediate threat to human health and property, Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service should be contacted first for emergency assistance. The other response agencies must still be contacted to satisfy notification obligations.

If the incident does not pose an immediate threat to human health and property and does not require an initial emergency contact, an obligation still exists to report the incident to the relevant authorities.

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## e) SAFETY EQUIPMENT

Personal Protective Equipment (PPE) is available on site at Rodney's Transport Service to all staff working in or around areas where pollutant risks have been identified. This includes but is not limited to:

- Protective glasses/goggles
- Protective masks
- High visibility vests
- Daily use overalls
- Protective gloves and overalls
- Fire extinguishers
- First aid stations and personal first aid kits

Other safety related onsite equipment/information includes:

- MSDS (see appendices 1)
- Spill kits
- Restricted areas
- Appropriate access and chemical identification signage

## f) EMERGENCY AND COMMUNITY CONTACT DETAILS

The following is a list the required emergency and community contacts in the event a Pollution incident occurs.

Organisation Name	Contact	Title	Phone number
<b>ALL</b>	<b>Emergencies</b>	All types	<b>000</b>
<b>State Emergency Services (SES)</b>	<b>Victorian State Emergency Service</b>	State based contact	132500
<b>Police</b>	<b>Victoria Police Centre</b>	Flinders Street, Melbourne	(03) 9247 6666
<b>Fire</b>	<b>Station 10, Church Street Richmond (contact Melbourne Fire Service)</b>	East Melbourne	(03) 9662 2311
<b>Ambulance</b>	<b>Ambulance Victoria</b>	Doncaster	(03) 9840 3500
<b>EPA Waste Spill (Corrosive 8)</b>	<b>EPA Victoria</b>	Report Pollution	1300 372 842
<b>Worksafe (reporting injured workers)</b>	<b>Worksafe Victoria</b>		132360
<b>Wagga Wagga City Council</b>	<b>Wagga Wagga Office</b>	General Office number (ask for the Engineering department)	(02) 6926 9100

## g) COMMUNICATING WITH NEIGHBOURS

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Rodney's Transport Service is located in an Industrial Estate surrounded by other businesses. The businesses that butt the boundary of Rodney's Transport Service have a land space that provides a measure of buffer protection from immediate harm should a pollutant incident occur.

Contact details of neighbouring businesses are listed below. In the event of a notifiable pollutant incident with reference to the nature and scale of the incident, immediate neighbouring properties will be contacted using the details provided. This will be undertaken with direction from Emergency Services.

Company Name	Contact Number	Company Name	Contact Number
Global Food Equipment	1300 627 627	Infinite Engineering	03 9311 8551
Data Signs	03 9312 2177	Buildit Learning	1300 191 456
Wafex	03 8378 9900	MechCAD Design	03 9310 1007
Hobsons Bay Commercial Furniture	03 9311 1399	Interfit Service	0424 152 269
Elite Lift Services	03 9311 0926	Visual Exposure	03 9311 5722
Polyaire	03 9465 8022	Malouf Steel Supplies	03 9311 2074
ARTC	08 8217 4540 (contact for Victoria)	On Duty Panels	03 9314 2647
Footscray Engine Re-Conditioning	03 9364 7800	Peri	03 9310 1343

## h) MINIMISING HARM TO PERSONS ON THE PREMISES

In the event of Pollution Incident, the Emergency Evacuation procedure will be implemented and must be followed immediately. This is inclusive of the following:

- Alarm (horn will sound) raised; Emergency Warden
- Locate Emergency Evacuation Kit in storage locker beside entrance/exit door in Operations office and bring to evacuation point; Emergency Warden
- Calmly evacuate the premises from nearest emergency exit; all staff
- Follow Emergency Warden's instructions; all staff
- Arrive at evacuation location; all staff
- Relevant emergency services authorities contacted; Emergency Warden
  - o Ambulance – injured staff
  - o Fire Service- evidence of flames, smoke or spill of DG listed products
  - o Police – if emergency coordination is required
  - o WorkSafe – if injured staff
- Locate and account for all staff; Emergency Warden
- Alert neighbouring businesses of emergency; Emergency Warden
- Notify next-of-kin for any injured staff; First Aid Officer

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## i) ACTIONS TO BE TAKEN IMMEDIATELY AFTER INCIDENT

Actions to be taken following a pollution incident will be influenced by the type and size of incident.

### *Gas Leak*

A gas leak from one or more of the LPG cylinders is to be addressed by:

- Immediately turning off the gas nozzle
- Safely removing the offending cylinder to an outdoor area away from people machinery and other equipment or chemicals that may generate a reaction
- Contacting the supplier of the gas cylinders for collection and replacement

### *Fire*

If the fire is small and can be contained use the on-site manual fire extinguishers or fire hose.

If the fire is large and cannot be contained, immediately contact emergency services as per the PIRMP. Follow the Emergency Evacuation Procedure.

## j) MAPS

The following is a site map of 5 Grace Court, Sunshine West, Victoria 3020. This is a secondary premises of Rodney's Transport Service and the map indicates the location of the used batteries and LPG on site and the Emergency Evacuation location.





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## 4. AVAILABILITY OF PIRMP AND ANY ASSOCIATED PLANS/DOCUMENTATION

This PIRMP information has been written to comply with the legislative requirements under the *Protection of the Environment Operations Act 1997* (POEO Act) and the *Protection of the Environment Operations (General) Regulation 2009 s98D*.

This plan has been made publicly available as required within 14 days following the preparation. It can be viewed on the company website at [www.rodneytransport.com.au](http://www.rodneytransport.com.au). Additionally should a hard copy be required by a person without access to the company website, a copy will be made available following a written request for same.

Additionally, the PIRMP will be implemented in conjunction with company Emergency Management Plan. A copy of this is also located on the company website.

## 5. TRAINING OF STAFF

Training of staff in the understanding and implementation of the PRIMP will be provided by the HR/Compliance Manager with support from the training officer. The training will include but not be limited to the following:

- Ensure detailed familiarity with this plan and the Emergency Management Plan
- Ensure learnings from the test evacuation and other emergency management exercises are communicated
- Ensure knowledge of legislative and statutory requirements
- Included as part of site inductions of all personnel
- Use of Toolbox meetings to identify basic training and possible WH&S issues

Training records will be maintained and kept with a hard copy of the PRIMP (see appendix 4). Training will occur on commencement of employment and then annually unless there is a modification to the PRIMP within the annual period. Then training will occur relative to the modification.

## 6. TESTING OF PRIMP

Following the preparation of the PRIMP, it is to be tested using a mock pollution incident to ensure all personnel are aware of the responsive process and responsibilities should a real pollution incident occur.

The Emergency Warden is responsible for documenting any issues that emerge during the mock pollution incident and making recommendations regarding any changes that subsequently need to be made to PRIMP.

The testing of the PRIMP will require the attendance sheet (appendix 4) to be completed and the amendment sheet (appendix 5) to be completed if applicable.

All documentation relative to the mock pollution incident including any amendments to the PRIMP is to be retained with the PRIMP and made available to the EPA any time a request is made.





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## 7. IMPLEMENTATION AND REVIEW OF PRIMP

Once the PRIMP has been tested and amendments completed, an annual review of the PRIMP is required. In the event a change occurs that requires the PRIMP to be reviewed within the annual period, this then becomes the revised annual review date. The annual review of the PRIMP will also serve as the annual review of the Emergency Management Plan.

## 8. TRANSPORT OF TRACKABLE WASTE

The following documentation relates to the Transport of Trackable Waste, *Re-cycled batteries*. This is generated as a separate planning response as required by the EPA but remains aligned and operates in a parallel fashion to the main body of PRIMP and the Emergency Management Plan.

### a) WASTE TRANSPORT COMPANY DETAILS

*Name of Transport Company*  
Rodney's Transport Service (Australia) Pty Ltd

*ABN*  
63 054 913 183

*Location and details of sites for garaging Waste Transporter Vehicles*  
Lot 4, Bomen Road  
WAGGA WAGGA NSW 2650

5 Grace Court  
SUNSHINE WEST VIC 3020

*Primary address site*  
Lot 4, Bomen Road  
WAGGA WAGGA NSW 2650

*Environment Protection Licence Number*  
12223

*Company Business Contact Details*  
Name: Graeme Wooller  
Positions: General Manager  
Business hours contact: (02) 6937 9100  
After hours contact: 0427 967 030  
Email: [graeme@rodneystransport.com.au](mailto:graeme@rodneystransport.com.au)

*Company Website and Plan availability* [www.rodneystransport.com.au](http://www.rodneystransport.com.au)  
A copy of this plan is available on the company website.

*Names, positions and 24-hour contact details of individuals responsible for activating the plan*

#### **Contact number 1**

Name: Graeme Wooller  
Positions: General Manager  
Business hours contact: (02) 6937 9100  
After hours contact: 0427 967 030  
Email: [graeme@rodneystransport.com.au](mailto:graeme@rodneystransport.com.au)

#### **Contact number 2**

Name: Anna Austin  
Positions: HR/Compliance Manger  
Business hours contact: (03) 9311 2300  
After hours contact: 0407 326 100



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Email: [anna@rodneystransport.com.au](mailto:anna@rodneystransport.com.au)

*Names, positions and 24-hour contact details of individuals responsible to notify the relevant authorities under Section 148 of the POEO Act plan*

Name: Graeme Wooller  
Positions: General Manager  
Business hours contact: (02) 6937 9100  
After hours contact: 0427 967 030  
Email: [graeme@rodneystransport.com.au](mailto:graeme@rodneystransport.com.au)

*Names, positions and 24-hour contact details for individuals responsible for managing the response to the pollution incident*

Name: Anna Austin  
Positions: HR/Compliance Manager  
Business hours contact: (03) 9311 2300  
After hours contact: 0407 326 100  
Email: [anna@rodneystransport.com.au](mailto:anna@rodneystransport.com.au)

## **b) RESPONSE AND RECOVERY**

Define the likely pollution incident that will cause material harm to the environment. The trackable waste stored on the premises at Rodney's Transport Service is re-cycled batteries. The details of this product are as follows:

Product Name: Wet Filled With Acid

### **Accidental Release Measures**

#### *Minor spills*

- Clean up spill immediately
- Secure product if safe to do so
- Bundle recoverable product
- Collect remaining materials in containers with covers for disposal at an accredited disposal site

#### *Major spills*

- Clear area of personnel and move upwind
- Alert the Fire Brigade and advice location and nature of incident (see emergency contact list page 6)
- Wear breathing apparatus and protective gloves
- Prevent spill from entering drains
- Stop the leak if safe to do so
- Contain the spill with sand or earth
- Collect recoverable product into suitable containers
- Wash area and prevent run-off
- If any contamination of drains occurs, advise emergency services (see emergency contact list page 6)

Follow the steps of the PRIMP 3g through 7 for completion of the requirements under the *Transport of Trackable Waste*.



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## APPENDICES

### 1. MSDS – CORROSIVE 8



## RODNEY'S TRANSPORT SERVICE MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY/UNDERTAKING

<b>Product Name</b>	<b>BATTERIES, WET, FILLED WITH ACID electric storage</b>
<b>Other Name</b>	Lead Acid Battery
<b>Product Use</b>	Power source for electric start motors Charging hazard, completion of charging process includes evolution of highly flammable and explosive hydrogen gas which is readily detonated by electric spark. No smoking or naked lights.  Do not attach/detach metal clips or operate open switches during charging process because arcing/sparking hazard. Overcharging to excess results in vigorous hydrogen evolution (boiling) which may cause generation of corrosive acid mist. Large installations must be constructed of acid resistant materials and be well ventilated.
<b>UN Number</b>	2794
<b>Dangerous Goods Class</b>	8
<b>Packing Group</b>	Nil
<b>Subsidiary Risk</b>	Nil
<b>Hazchem Code</b>	2W
<b>Poisons Schedule Number</b>	Except
<b>Supplier</b>	Enirgi Group Corporation 309 Byrnes Rd Bomen WAGGA WAGGA NSW 2650
<b>Emergency Telephone Number</b>	02 69379525

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### 2. HAZARD IDENTIFICATION

<b>HAZARDOUS SUBSTANCE</b>	<b>HAZARDOUS</b>
<b>Appearance</b>	Rectangular plastic casing with exposed terminals for electrical connections. High weight to ratio volume The hazard of lead acid batteries include: corrosive contents short circuit; accidental discharge. Current low by external heat 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. So not clean terminals or 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. Chemical hazards relate to the contents of the battery.

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## Material Safety Data Sheet, page 2

Hazard Ratings	Flammability	0
	Toxicity	0
	Body Contact	3
	Reactivity	0

Scale	Min/Nil	0
	Low	1
	Moderate	2
	High	3
	Extreme	4

Boiling Point (deg C)	Not Applicable
Melting Point (deg C)	Not Applicable
Vapour Pressure (deg C)	Not Applicable
Specific Gravity	1.2-1.3 (acid)
Flash Point (deg C)	None
Lower Explosive Limit (%)	Not Applicable
Upper Explosive Limit (%)	Not Applicable
Solubility in water (g/L)	Not Applicable

R-phrase (s)	R20/22 Harmful if inhaled or ingested
	R33 Danger cumulative effect
	R35 Causes severe burns
	R38 May cause long term adverse effects in the environment
	R61 May cause harm to unborn children
	R62 Possibility of impaired fertility

S-Phrase(s)	S1/2 Keep locked up and out of reach of children
	S26 contact with eyes, rinse immediately and seek medical advice
	S30 Never add water to this product
	S43 In case of accident, seek medical advice immediately
	S53 Avoid exposure; obtain special instructions before use

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Lead; CAS Number 7439-92-1; average proportion by weight = 30-60%
	Lead dioxide; CAS Number 1308-60-0; average proportion by weight = 10-30%
	Sulphuric Acid; CAS Number 7664-93-9; average proportion by weight = 20-40%

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### 4. FIRST AID MEASURES

Swallowed	If this product is swallowed - rinse mouth with plenty of water. If poisoning occurs, contact doctor or the Poisons Information Centre. If swallowed, DO NOT induce vomiting. Give glass of water.
Eyes	If this product comes into contact with the eyes, immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury

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## Material Safety Data Sheet, page 3

<b>Eyes continued</b>	eye injury should only be undertaken by skilled personnel.
<b>Skin</b>	If this product comes into contact with the skin, immediately flush body and clothes with large amounts of water using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash affected areas with water (and soap (if available) for at least 15 minutes. Transport to local hospital or doctor.
<b>Inhaled</b>	If this product is inhaled, remove to fresh air (if fumes or combustion products are inhaled). Lay patient down. Keep warm and rested. If available, administer medical oxygen by trained personnel. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital or doctor without delay.
<b>Advice to Doctor</b>	For acute or short term repeated exposures to strong acids, airway problems may arise from laryngeal oedema and inhalation exposure. Treat with 100% oxygen initially. Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling. Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise. Strong acids produce a coagulation necrosis characterised by formulation of coagulum (eschar) as a result of dissipating action of the acid on the proteins in specific tissues.
<b>Ingestion</b>	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 fluid to one or two glasses in an adult. Charcoal has NO place in acid management. Some authors suggest the use of lavage within in 1 hour of ingestion.
<b>Skin</b>	Skin lesions require copious stain irrigation. Treat chemical burns as thermal burns with non-adherent gauze and wrapping. Deep second degree burns may benefit from topical silver sulfadiazine.
<b>Eyes</b>	Eye injuries require retraction of the eyelids to ensure thorough irrigation of the conjunctival cul-de-sac. Irrigation should last at least 20-30 minutes. Do not use neutralising agents or any other additives. Several litres of saline are required. Cycloplegic drops (1% cyclopentolate for short-term use; 5% homatropine for longer term use), antibiotic drops, vasoconstrictive agents or artificial tears may be indicated dependent on severity. Steroid eye drops should only be administered with the approval of a consulting ophthalmologist.

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## 5. FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	Non combustible dangerous hazard when exposed to heat, flame and oxidisers. May omit corrosive fumes. Decomposes on heating and produces acid and toxic fumes of sulphuric acid (H2SO4) and sulphuric oxides (SOx). Contact with readily oxidisable organic material may cause ignition/fire.
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Material Safety Data Sheet, page 4

Heating may cause expansion or decomposition leading to violent rupture of containers.

Reacts with metals producing flammable/explosive hydrogen gas.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Minor Spills</b>	<p>Clean up all spills immediately.</p> <p>Avoid breathing vapours and contact with eyes and skin.</p> <p>Control personal contact by using protective equipment.</p> <p>Neutralise, contain and absorb spill with sand, earth, inert material or vermiculite.</p> <p>Wipe up. Place in suitable labelled container for waste disposal.</p> <p>Use soda ash or slaked lime to neutralise.</p>
<b>Major Spills</b>	<p>Do not touch the spill material. Clear the area of personnel and move upwind.</p> <p>Alert the Fire Brigade and advise the location and nature of the hazard.</p> <p>May be violently or explosively reactive. Wear full body protection with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Consider evacuation.</p> <p>Stop leak if so to do so.</p> <p>Contain spill with sand, earth or vermiculite</p> <p>Collect recoverable product into labelled containers for recycling</p> <p>Neutralise/decontaminate residue.</p> <p>Collect solid residue and seal in labelled drums for disposal.</p> <p>Wash area and prevent run off into drains.</p> <p>After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</p> <p>If contamination of drains or waterways occurs, advise emergency services.</p> <p>Do not use water or neutralising agents indiscriminately on large spills.</p> <p>Use soda ash or slaked lime to neutralise.</p>

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## 7. HANDLING & STORAGE

<b>Storage and Transport</b>	Check containers are clearly labelled, packaged and strapped.
<b>Storage Incompatibility</b>	Protect form accidental short circuit.
<b>Storage Requirement</b>	<p>Keep dry. Store in original containers. Keep containers securely sealed.</p> <p>No smoking, naked lights or ignition sources.</p> <p>Store in a cool, dry, well ventilated area.</p> <p>Store away from incompatible materials, including combustibles, organic materials and strong reducing agents.</p> <p>Protect containers against physical damage. Check regularly for leaks.</p> <p>Observe manufacturers storing and handling recommendations.</p> <p>Incompatibility avoid strong reducing agents, sulphur trioxide gas, strong oxidizer.</p>

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Acute Health Effects</b>	Health effects relate to the corrosive sulphuric acid battery contents.
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MSDS ULABS, Version 4, May 2018

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## Material Safety Data Sheet, page 5

<b>Swallowed</b>	Considered an unlikely route of entry in commercial/industrial environments. The liquid is highly discomforting and corrosive if swallowed and capable of causing burns to mouth, throat, oesophagus with extreme discomfort and pain. Ingestion may result in nausea, abdominal irritation, pain and vomiting.
<b>Eye</b>	The liquid is extremely discomforting and corrosive to the eyes and any contact may cause rapid tissue destruction and is capable of causing severe damage with loss of sight. The material may produce severe irritation to the eye causing pronounced inflammation.
<b>Inhalation</b>	The vapour/mist is highly discomforting and corrosive to the upper respiratory tract if inhaled.
<b>Skin contact</b>	The liquid is highly discomforting and corrosive to the skin and contact may cause tissue destruction i.e. chemical burns.
<b>Chronic Health Effects</b>	Principal routes of exposure are skin contact with acid contents, eye contact with acid contents, inhalation of acid mists generated when overcharging occurs. Repeated minor exposure to acid mist can cause erosion of teeth and inflammation of the upper respiratory tract leading to chronic bronchitis. There is evidence that the corrosion of teeth enamel occurs at 1 mg/m <sup>3</sup> but that acclimatized workers may tolerate 3-4 times that level. Workers chronically exposed to sulphuric acid may show skin lesions, tracheobronchitis, stomatitis, conjunctivitis and gastritis. Occupational exposure to strong inorganic acid mists containing sulphuric acid is designated by IARC to be carcinogenic. Increased risk of laryngeal cancer being seen with chronic exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Material	% by Weight	CAS Number	Exposure OSHA	Limits ACGIH
Lead	51.4	7439-92-1	0.05mg/m <sup>3</sup>	0.15mg/m <sup>3</sup>
Electrolyte (Sulphuric Acid)	19-44	7664-93-9	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
Lead Dioxide (PbO <sub>2</sub> )	20.8	1309-60-0	0.05mg/m <sup>3</sup>	0.05mg/m <sup>3</sup>
Non-Hazardous Ingredients	8.2			

## 10. STABILITY AND REACTIVE DATA

<b>Stability</b>	Not Applicable
<b>Incompatible Materials</b>	Many common metals.
<b>Conditions of Reactivity</b>	Exposure to battery acid (electrolyte)
<b>Hazardous Decomposition products</b>	For battery acid - if heated above 340oC, sulphuric acid may decompose to sulphur trioxide, carbon monoxide, sulphuric acid mist, sulphur dioxide and hydrogen.

## 11. TOXICOLOGY PROPERTIES

<b>Exposure Limits</b>	Blood lead levels above 50 ppm is considered at risk.
<b>Inhalation</b>	May cause irritation.

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## Material Safety Data Sheet, page 6

<b>Skin Contact</b>	May cause rash or irritation
<b>Eye Contact</b>	May cause eye damage.
<b>Ingestion</b>	May cause irritation or burning
<b>Chronic effects</b>	Battery Acid (electrolyte) and lead are poisonous. Lead and lead dioxide are listed as carcinogens, however there is little or no possibility of exposure under normal conditions of use.
<b>Carcinogenicity</b>	
<b>Other Reproductive Effects</b>	Long term exposure to high Blood Lead Levels may cause birth defects.
<b>Sensitization to materials</b>	Product is not known to cause allergies.
<b>Synergistic materials</b>	None known.

## 12. DISPOSAL CONSIDERATIONS

<b>Disposal</b>	Acid Contents: recycle wherever possible. Consult State Land Waste Management Protective Gloves. AS/NZS 1713: Selection Use & Maintenance of respiratory protective devices. AN/NZS 1716: Respiratory protective devices.
<b>Material disposal</b>	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or water courses. Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.
<b>Local Legislation</b>	
<b>Class 8</b>	
<b>Class 1</b>	
<b>Class 4.3</b>	
<b>Class 5.1</b>	
<b>Class 6</b>	regulations, preferably to a recognised collector or contractor.
<b>Class 7</b>	Radioactive substances; foodstuffs and foodstuff empties.
<b>Class 8</b>	Strong Alkalis.
<b>Packaging</b>	Group Number 3. Insulate terminals against short circuiting. Packed with insert cushioning materials in a fibreboard box - package gross 40 kg; wooden box or wooden slatted crate -package gross 225kg.

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## 13. TRANSPORT INFORMATION

### ADG

This material is not classified as dangerous according to the Australian Dangerous Goods Code.

<b>Class 8</b>	Corrosive shall not be loaded in the same vehicle or packed the same freight containers as the following:
<b>Class 1</b>	Explosives
<b>Class 4.3</b>	Dangerous when wet substances



# RODNEY'S TRANSPORT SERVICE

## Material Safety Data Sheet, page 7

Class 3.1	Oxidizing agents
Class 3.2	Organic peroxides
Class 4	Poisonous (toxic) substances (where poisonous substances are cyanides and corrosives are acids).
Class 5	Radioactive substances; foodstuffs and foodstuff empties.
Class 6	Strong Alkalis
Class / Division	9
Packaging	Group Number 3 Insulate terminals against short circuiting. Packed with insert cushioning materials in a fibreboard box - package gross 40 kg. Wooden box or wooden slatted crate - package gross 225kg.

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## 14. OTHER INFORMATION

Additional Information	This document contains important information to ensure the safe storage, handling, transport and use of this product.
Review Date:	May 2019

# RODNEY'S TRANSPORT SERVICE

## 2. ATTENDANCE TRAINING SHEET

Rodney's Transport Service Pty Ltd  
Management Systems




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### TRAINING ATTENDANCE SHEET – EMP

Select 1 of the following					
Induction Training	<input type="checkbox"/>	Date:		Trainer Name:	
Mock Emergency Training	<input type="checkbox"/>	Time:		Trainer Signature:	

Division	Employee Name	Employee Signature

*Attendance Sheet, EMP, version 3, June 2017*



# RODNEY'S TRANSPORT SERVICE

## 3. AMENDMENT SHEET

Rodney's Transport Service Pty Ltd  
Management Systems



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### Amendments Form PRIMP

New Issue Number	Issue Date	Section/Page Number	Description <u>Of</u> Change	Name	Signature

Version 3, June 2017