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Product Name **POWER FLEX LOW pH**

1. Identification

GHS Product Identifier POWER FLEX LOW pH

Company Name ACTIVE WASH SOLUTIONS

Address Unit 2/4 Carboni Court, Dubbo NSW 2830
Australia

Telephone/Fax Number Tel: 0414 344 814

Emergency phone number 0414 344 814

E-mail Address 0414 344 814

Recommended use of the chemical and restrictions on use Acidic detergent for touchless vehicle wash systems.

2. Hazard Identification

GHS classification of the substance/mixture Acute Toxicity - Dermal: Category 4
Acute Toxicity - Oral: Category 4

Signal Word (s) WARNING

Hazard Statement (s) H302 Harmful if swallowed.
H312 Harmful in contact with skin.

Precautionary statement – General P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Exclamation mark



Precautionary statement – Prevention P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P404 Store in a closed container.

Precautionary statement – Storage

Precautionary statement – Disposal P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Oxalic acid	144-62-7	10-30 %
	Other ingredients determined not to be hazardous, including water	N/A	to 100%

4. First-aid measures

Inhalation Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask



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Ingestion equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Skin Rinse mouth with water. Do not induce vomiting. Give a glass of water to be taken slowly. Seek medical advice.

Eye contact If skin contact occurs, remove contaminated clothing and wash skin thoroughly. See a doctor.

First Aid Facilities If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Advice to Doctor Eye wash station and normal washroom facilities.

Product contains >10% oxalic acid solution. Treat symptomatically. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media Use extinguishing media appropriate to surrounding fire. Use water spray to cool containers and surrounds.

Hazards from Combustion Products If involved in a fire may generate noxious and corrosive fumes.

Specific Methods Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.

Specific hazards arising from the chemical Not flammable or combustible. May react vigorously with strong alkalis. Flammable and explosive hydrogen gas may be formed on contact with metals.

6. Accidental release measures

Emergency Procedures Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Wear appropriate eye, skin and respiratory protection as outlined in this MSDS.

Spills & Disposal
SMALL SPILLS:
 Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labelled drum(s) for later disposal.
LARGE SPILLS:
 Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

7. Handling and storage

Conditions for safe storage, including any incompatibilities Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, alkalis, combustibles and oxidizing agents. All equipment must be earthed. Store in original packages as approved by manufacturer. Check all fittings, valves, reticulation (piping) and any ancillary equipment for leaks. A supplied air respirator or a Self-Contained Breathing Apparatus (SCBA) for emergencies should be available and checked regularly. For further information please refer to the Engineering Controls of this MSDS.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Oxalic acid	2		1		
Other Exposure Information	No value assigned by the National Occupational Health and Safety Commission (Worksafe Australia).					
Appropriate engineering controls	Corrosive liquid. Single significant exposure may cause severe injury or even death. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Exposure to this material may be controlled in a number of ways. The measures appropriate					



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for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

Personal Protective Equipment Avoid contact with the skin and eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

- Face shield or safety glasses
- Gloves, rubber or plastic
- Plastic apron, sleeves and boots
- Overalls

Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. When the concentration of airborne contaminants reach the exposure standards then the use of a half-face respirator with acid vapour cartridge is recommended. For high concentration use a atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant.

Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

9. Physical and chemical properties

Form	Liquid
Appearance	Viscous green liquid.
Odour	Citrus
Solubility in Water	Soluble.
Specific Gravity	1.1
pH	1.2-1.8
Vapour Pressure	23 hPa @ 20 °C
Flash Point	None
Flammability	Non flammable liquid.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat and incompatibles.
Incompatible Materials	Strong bases, aluminium, zinc, magnesium and oxidizing agents.
Hazardous Decomposition Products	Emits choking and corrosive fumes when heated to decomposition.
Possibility of hazardous reactions	Contact with metals may produce hydrogen gas which is flammable. If splashing occurs rinse with water and wipe clean. Do not mix with bleaches, or other cleaning solutions.

11. Toxicological Information

Toxicology Information	No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:
Acute Toxicity - Oral	LD50: Oxalic acid 375mg/kg oral, rat
Ingestion	Harmful if swallowed. May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains



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Inhalation	in the stomach, which may lead to nausea, vomiting and diarrhoea. May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.
Skin	Harmful by skin contact. May cause irritation to the skin, with effects including; Redness and itchiness.
Eye	May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.
Chronic Effects	Prolonged or repeated skin contact may lead to dermatitis. Product may also be absorbed through the skin with resultant toxic effects. Prolonged or repeated exposure may lead to irreversible damage to health.

12. Ecological information

Ecotoxicity	In large concentrations this product is detrimental to the aquatic environment.
Persistence and degradability	Inherently biodegradable
Mobility	Readily dilutes with water.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise on acidic nature. Normally suitable for disposal by approved waste disposal agent.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. Regulatory information

Poisons Schedule	S6
AICS (Australia)	All components listed.

16. Other Information

Date of preparation or last revision of SDS	11/02/2019
Literature References	Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons Australian Code for the Transport of Dangerous Goods by Road & Rail Globally Harmonised System of classification and labelling of chemicals
Signature of Preparer/Data Service	Technical Manager 03 9580 2499
Technical Contact Numbers	Emergency Advice All Hours: Managing director: 0414 344 814 Mon-Fri 8am - 6pm Poisons Information Centre: 13 1126 24hrs
Other Information	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...

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