



POWER BLEACH

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Section 1 – Identification

Product Identifier	
Product name	Power Bleach
Chemical name	Not Applicable
Synonyms	Not Applicable
Proper shipping name	Not Applicable
Chemical formula	Not Applicable
Other means of identification	CH900412, CH900414, CH900422
CAS number	Not Applicable

Recommended use of the chemical and restrictions on use	
Relevant identified uses	Chlorinated Bleach

Details of the manufacturer or importer	
Registered company name	ECOCLEAN UTILITY AGENCIES PTY LTD
Address	26 Notar Drive, Ormeau, Queensland, Australia, 4208
Telephone	(07) 5549 3666
Website	www.ecocleanavantichem.com.au

Emergency Telephone Number	
Association / Organisation	Poisons Information Centre
Emergency telephone number	13 11 26
Other emergency telephone numbers	1300 123 499

Section 2 – Hazard(s) Identification

Classification of the substance or mixture	
Poisons Schedule	5
GHS Classification	Eye Irritation Category 2A,




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	Skin Irritation Category 2. (Classification drawn from HSIS)
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Label elements	
GHS label pictograms	
Signal word	WARNING
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
AUH031	Contact with acids liberates toxic gas.
Precautionary statement(s): Prevention	
P264	Wash hands thoroughly after handling.
P280	Wear eye protection/face protection and protective gloves.
Precautionary statement(s): Response	
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see First Aid Measures on Safety Data Sheet).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
Precautionary statement(s): Storage	
	None allocated
Precautionary statement(s): Disposal	
	None allocated



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Section 3 – Composition and Information on Ingredients

Ingredient	CAS Number	Proportion
Sodium Hydroxide	1310-73-2	<10%
Sodium Hypochlorite	7681-52-9	<10%
Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, make up the product concentration to 100%.		

Section 4 – First Aid Measures

Description of necessary first aid measures	
Eye Contact	If this product comes in contact with eyes: <ul style="list-style-type: none">• Wash out immediately with fresh running water.• 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.• If pain persists or recurs seek medical attention.• Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin contact	If skin contact occurs: <ul style="list-style-type: none">• Wash with plenty of soap and water.• Take off contaminated clothing and wash before re-use.• If skin irritation occurs get medical advice.
Inhalation	<ul style="list-style-type: none">• Remove to fresh air.• Seek medical advice if symptoms occur.
Ingestion	<ul style="list-style-type: none">• Do NOT induce vomiting.• Rinse Mouth.• Give water to drink.• Seek medical advice if symptoms occur.

Medical attention and special treatment

	<ul style="list-style-type: none">• Treat symptomatically.
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Section 5 – Fire Fighting Measures

Suitable extinguishing equipment / media	
	<ul style="list-style-type: none"> Not combustible, however, if material is involved in a fire use an extinguisher agent suitable for the surrounding fire.
Special hazards arising from the chemical	
Fire incompatibility	<ul style="list-style-type: none"> No specific hazard.
Special protective equipment and precautions for fire fighters	
Fire Fighting	<ul style="list-style-type: none"> Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus in the event of a fire.
Fire/Explosion Hazard	<ul style="list-style-type: none"> Decomposes on heating emitting toxic fumes.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
Minor spills	<ul style="list-style-type: none"> Ensure suitable equipment and PPE is used. Dispose of waste in accordance with local rules.
Major spills	<p>Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water-courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If required, neutralize with sodium metabisulphite or sodium thiosulphate. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.</p>
Environmental precautions	
	<ul style="list-style-type: none"> Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.
Methods and materials for containment and cleaning up	
	<ul style="list-style-type: none"> The following PPE is recommended to reduce risk: Safety Glasses, Chemical Resistant Shoes & Gloves, long sleeves / trousers.



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Section 7 – Handling and Storage

Precautions for safe handling	
Safe handling	<ul style="list-style-type: none"> Use clean dispensing equipment. Use appropriate PPE. Always add product to water when diluting.
Conditions for safe storage, including any incompatibilities	
Suitable container	<ul style="list-style-type: none"> Store in a cool, dry, well ventilated place. Store away from foodstuffs. Store in original containers whenever possible. Do not store in metal containers without prior approval. Check container compatibility before transfer. Keep containers closed when not in use - check regularly for leaks. Ensure good housekeeping in storage area.
Storage incompatibility	<ul style="list-style-type: none"> Store away from incompatible materials described in Section 10.

Section 8 – Exposure controls and personal protection

Control parameters	
Occupational Exposure Limits (OEL)	See Ingredients Data and Emergency Limits below.


Ingredients data						
Source	Ingredient	CAS Number	TWA	STEL	Peak	Notes
Australian Exposure Standards	Sodium Hydroxide	1310-73-2	2mg/m ³	None allocated	2mg/m ³	Not Available
	Sodium Hypochlorite	7681-52-9	None allocated	None allocated	None allocated	

Exposure controls	
Appropriate engineering controls	<ul style="list-style-type: none"> Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Keep containers closed when not in use.

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Personal protection	
Eye and face protection	<ul style="list-style-type: none"> Wear safety glasses with side shields or chemical goggles if splashing is likely.
Skin protection	<ul style="list-style-type: none"> Long sleeves/trousers/chemical resistant apron/chemical resistant boots
Hand protection	<ul style="list-style-type: none"> Chemical resistant gloves
Body protection	<ul style="list-style-type: none"> Long sleeves/trousers/chemical resistant apron/chemical resistant boots
Respiratory protection	<ul style="list-style-type: none"> If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Other protection	<ul style="list-style-type: none"> Not usually necessary.
Thermal hazards	<ul style="list-style-type: none"> Not available

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear yellow liquid
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Physical state	Liquid	Relative density (Water = 1)	1.02 – 1.08
Odour	Slight Chlorine	Partition coefficient n-octanol / water	Not available
Odour threshold	Not available	Auto-ignition temperature (°C)	Not available
pH (as supplied)	Ca. 12	Decomposition temperature	Not available
pH (as a solution 1%)	Not applicable	Viscosity (cSt)	Not available
Melting point / freezing point (°C)	Not available	Molecular weight (g/mol)	Not available
Initial boiling point and boiling range (°C)	Not available	Taste	Not available
Flash point (°C)	Not available	VOC g/L	Not available
Evaporation rate	Not available	Volatile Component (%vol)	Not available



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Flammability	Not flammable		
Upper Explosive Limit (%)	Not available		
Lower Explosive Limit (%)	Not available		
Vapour pressure (kPa)	Not available		
Solubility in water (g/L)	Completely miscible		
Vapour density (Air = 1)	Not available		

Section 10 – Stability and Reactivity

Reactivity	<ul style="list-style-type: none"> Do not mix with other chemicals without prior approval.
Chemical stability	<ul style="list-style-type: none"> Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	<ul style="list-style-type: none"> Chlorine gas may be produced if mixed with acids.
Conditions to avoid	<ul style="list-style-type: none"> Avoid contact with food stuffs.
Incompatible materials	<ul style="list-style-type: none"> Acids, oxidising substances, reducing substances
Hazardous decomposition products	<ul style="list-style-type: none"> Oxygen or chlorine gas may be released upon decomposition.

Section 11 – Toxicological Information

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

Information on toxicological effects	
Inhaled	Inhalation of fine mists may cause irritation and chemical burns to the respiratory tract and nasal passages.
Ingestion	May cause severe irritation to the mouth and digestive tract.
Skin contact	May cause irritation to the skin. Prolonged contact may cause chemical damage.
Eyes	Concentrated product may cause eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing.
Chronic	Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.
Toxicology Information	Not toxic, based on ingredients. Oral LD50 (calculated) : >20,000 mg/kg
Carcinogen Status	



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NOHSC	No significant ingredient is classified as carcinogenic by NOHSC.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	No significant ingredient is classified as carcinogenic by IARC.
Respiratory sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	Not expected to be a skin sensitizer.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

Section 12 – Ecological Information

Toxicity	
Expected to be harmful to the environment	
Eco-toxicity Product (as sold)	Harmful to aquatic life with long-lasting effects. Acute Aquatic Toxicity - 3 /Chronic Aquatic Toxicity - 3 Acute Aquatic Toxicity (Calculated) LC50: 1.5 - 100 mg/L.
Eco-toxicity Product (at use dilution 1:100 rinse)	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity NOT HAZARDOUS. Acute Aquatic Toxicity (Calculated) LC50: 150 – 10000 mg/L.
Persistence and degradability	Hypochlorites are non-persistent in the environment and there is no accumulation potential as they gradually decompose into a salt and oxygen.
Bio accumulative potential	No bioaccumulation is expected.
Mobility in soil	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
Other adverse effects	Not available
Environmental Protection	Do not discharge this material into waterways.

Section 13 – Disposal considerations

Waste treatment methods



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Product and Packaging Disposal	Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.
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Section 14 – Transport Information

Labels Required	
Transport pictogram	Not applicable
Marine Pollutant	No
HAZCHEM	Not applicable

Land Transport (ADG)	
UN Number	None
Packing Group	None
UN Proper shipping name or Technical name	None
Environmental hazard	None
Transport hazard class(es)	Class: None
	Sub risk: None
Special Precautions for user	None
Additional information	Hypochlorite based product. Avoid transportation and storage with incompatible substances.

Section 15 – Regulatory Information

Health, safety and environment regulations	
GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S5 (CHLORINATING COMPOUNDS)
ADG Code	Not DG
AICS	All ingredients present on AICS.



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Section 16 – Other Information

Issue Date	16 th September 2020
Version Number	V3.0
Abbreviations and acronyms	<p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HSIS: Hazardous Substances Information System</p> <p>IARC: International Agency for Research on Cancer.</p> <p>NOHSC: National Occupational Health and Safety Commission.</p> <p>NTP: National Toxicology Program (USA).</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p>
Literature references	<ul style="list-style-type: none"> • Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (December 2011 – Safe Work Australia) • GHS Hazardous Chemical Information List (September 2014 – Safe Work Australia) • Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. April 2012. Safe Work Australia. • Global Harmonized System of Classification and Labelling of Chemicals (GHS). Fifth revised edition.
Risk assessments	<p>This SDS is a tool to communicate hazards which can assist you in creating relevant risk assessments for your workplace. There are many variables in determining whether a particular hazard is a risk in your workplace. Keep in mind this may be influenced by such things as the amount used, frequency of use, engineering controls, effectiveness of safety training and many more considerations.</p>
Disclaimer	<p>Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact XO2 Pty Ltd.</p>



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	Our responsibility for products sold are subject to our standard terms and conditions. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.
Copyright	This document is copyright.

Document Revision History

Revision Version #	Date	Reason for revision
Draft		GHS format
2.6	17/07/2015	Review by RW (SB)
3.0	16.09.2020	Review by WT

End of SDS