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Safety Data Sheet

Section 1 – Identification

Product Identifier	
Product name	BIOKLEEN (PORT-A-LOO CLEANER)
Chemical name	Not Applicable
Synonyms	Product code: UBBIOKLEEN
Proper shipping name	Not Applicable
Chemical formula	Not Applicable
Other means of identification	Not Applicable
CAS number	Not Applicable

Recommended use of the chemical and restrictions on use	
Relevant identified uses	Portable toilet additive

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 phone number	Poisons Information Centre: Phone 13 11 26

Emergency Telephone Number	
Association / Organisation	Poisons Information Centre
Emergency telephone number	13 11 26
Other emergency telephone numbers	In an emergency telephone 000, for fire, police and ambulance.

Section 2 – Hazard(s) Identification

Classification of the substance or mixture	
Poisons Schedule	S5 (QUATERNARY AMMONIUM COMPOUNDS >5%)
GHS Classification	Skin Corrosion – Category 2 Eye Damage - Category 1 Acute Aquatic Toxicity - Category 2

Label elements



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GHS label pictograms	
Signal word	DANGER

Hazard statement(s)	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.

Precautionary statement(s): General	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

Precautionary statement(s): Prevention	
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.

Precautionary statement(s): Response	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P310	Immediately call a POISON CENTRE or doctor/physician.
P321	Specific treatment (see First Aid Measures on Safety Data Sheet)
P391	Collect spillage.

Precautionary statement(s): Storage	
P405	Store locked up.

Precautionary statement(s): Disposal	
P501	Dispose of contents/ container in accordance with local regulations.



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Note

IMPORTANT

This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.
When diluted to 1:10 or greater they no longer apply.
However, good hygiene and housekeeping practices should be adhered to.

Section 3 – Composition and Information on Ingredients

Ingredient	CAS Name	Proportion
Quaternary ammonium compounds	63449-41-2	< 10 % w/w
Non-Hazardous ingredients (nonionic surfactants, dyes, fragrance, water)	Mixture	>60%

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">Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Seek medical advice.
Skin contact	If skin contact occurs: <ul style="list-style-type: none">Remove / take off immediately all contaminated clothingRinse skin with water/showerWash contaminated clothing before reuse
Inhalation	<ul style="list-style-type: none">Remove victim to fresh air and keep at rest in a position comfortable for breathingIf respiratory symptoms: Immediately call POISON CENTER or doctor.Treat symptomatically.
Ingestion	<ul style="list-style-type: none">Rinse mouth.Do NOT induce vomiting.

Symptoms caused by exposure

	<ul style="list-style-type: none">Causes skin irritation.Causes serious eye damage.
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Medical attention and special treatment

	Treat symptomatically
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Section 5 – Fire Fighting Measures

Suitable extinguishing equipment / media	
	<ul style="list-style-type: none"> • Use an extinguishing media suitable for surrounding fires. • Water spray or fog. • Foam. • Dry Chemical Powder • BCF (where allowed) • Carbon dioxide

Special hazards arising from the chemical	
Fire incompatibility	No known incompatibility.

Special protective equipment and precautions for fire fighters	
Fire Fighting	<ul style="list-style-type: none"> • Alert Fire Brigade and tell them the location and the nature of the hazard. • Wear full body protective clothing with breathing apparatus. • Prevent spillage from entering drains or watercourse. • Keep away from hot containers. • Cool hot containers with water spray.
Fire/Explosion Hazard	<ul style="list-style-type: none"> • Non-combustible • Not considered to be a considerable fire risk. • Containers may explode on heating. • May emit acid smoke. • May emit corrosive fumes. • Decomposition may product toxic fumes of decomposition.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
Minor spills	<ul style="list-style-type: none"> • Clean up spills immediately. • Avoid contact with skin and eyes. • Use Personal Protective Equipment. • Contain and absorb spill with vermiculite or other suitable material. • Sweep or wipe up. • Place in a suitable container for disposal.
Major spills	<ul style="list-style-type: none"> • Clear area of personnel. • Use Personal Protective Equipment. • Prevent spill from entering drains or watercourse. • If contamination occurs contact emergency services. • Contain and absorb spill with vermiculite or other suitable material. • Label collected material for disposal.



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	<ul style="list-style-type: none"> • Decontaminate if necessary (see section 13). • Launder and clean all protective equipment prior to being re-used.
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Environmental precautions

	<ul style="list-style-type: none"> • Use appropriate containment to avoid environmental contamination. • Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. • DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. • Inform local authorities if this occurs.
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Methods and materials for containment and cleaning up

	Personal protective equipment advice is contained in Section 8 of the SDS
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Section 7 – Handling and Storage

Precautions for safe handling

Safe handling	<ul style="list-style-type: none"> • Wear prescribed protective clothing. • Do NOT eat, drink or smoke when handling. • Wash hands after use. • Keep containers closed tightly when not in use. • Store in accordance to manufacturers instructions.
Other information	<ul style="list-style-type: none"> • Store in original containers. • Store in a cool, dry, well ventilated area out of direct sunlight.

Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> • Not to be transported in unlined metal drums. • Lined metal can, lined metal pail/can. • Plastic pail. • Polyliner drum. • Packaging as recommended by manufacturer.
Storage incompatibility	<ul style="list-style-type: none"> • No known incompatibilities.

Section 8 – Exposure controls and personal protection

Control parameters

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

Source	Ingredient	Material	TWA	STEL	Peak	Notes
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		name				
not available	not available	not available	not available	not available	not available	not available

Emergency limits				
Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
not available				

IDLH data		
Ingredient	Original IDLH	Revised IDLH
Not available	Not available	Not available

Exposure controls	
Appropriate engineering controls	<ul style="list-style-type: none"> Use in a well ventilated area. General exhaust is adequate under normal operating conditions.
Personal protection	 <ul style="list-style-type: none"> Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure.
Eye and face protection	<ul style="list-style-type: none"> The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.
Skin protection	<ul style="list-style-type: none"> See hand protection below
Hand protection	<ul style="list-style-type: none"> Wear chemical protective gloves, e.g. PVC for applications with the concentrated product in quantity, cleaning up spills, decanting, or extended contact.
Body protection	<ul style="list-style-type: none"> Wear safety footwear. Work clothes.
Respiratory protection	<ul style="list-style-type: none"> Generally not required to handle the product as per label directions.
Other protection	<ul style="list-style-type: none"> Ensure there is access to eye washes and safety showers.
Thermal hazards	<ul style="list-style-type: none"> Not Available



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Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Dark blue non-viscous liquid.		
Physical state	Liquid	Relative density (water=1)	1.00 @ 25°C
Odour	Fragrant fruity odour	Partition coefficient n-octanol/water	Not available
Odour threshold	Not applicable	Auto-ignition temperature (°C)	Not flammable
pH (as supplied)	7.5 – 8.5	Decomposition temperature	Not available
Melting Point / Freezing Point (°C)	Approximately 0 °C	Viscosity (cSt)	Not available
Initial boiling point and boiling range (°C)	Approximately 100 °C	Molecular weight (g/mol)	Not available
Flash point (°C)	not flammable	Taste	Not available
Evaporation rate	not available	Explosive properties	none
Flammability	non flammable liquid	Oxidising properties	Not available
Upper Explosive Limit (%)	none	Surface Tension (dyn/cm or mN/m)	Not available
Lower Explosive Limit (%)	none	Volatile Component (%vol)	Approx. 90% v/v
Vapour pressure (kPa)	Not available	Gas group	Not applicable
Solubility in water (g/L)	Miscible in all proportions	pH as a solution (1%)	7.5 – 8.5
Vapour density (Air=1)	Not determined	Volatile organic compounds (VOC)	0%

Section 10 – Stability and Reactivity

Reactivity	Stable at normal temperatures and pressure.
Chemical stability	Stable at normal temperatures and pressure.
Possibility of hazardous reactions	Not expected.
Conditions to avoid	No special requirements.
Incompatible materials	Reducing agents. Oxidizing agents.
Hazardous decomposition products	Upon burning, may emit fumes.



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Section 11 – Toxicological Information

Information on toxicological effects	
Inhaled	Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation.
Ingestion	This material may cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, sore throat, abdominal pain and diarrhea.
Skin contact	Concentrated solutions may cause mild irritation. Symptoms include redness, itching and swelling.
Eyes	A severe eye irritant capable of causing severe conjunctivitis. Corneal damage may develop, with possible impairment of vision, if not promptly and adequately treated.
Chronic	Prolonged and repeated skin contact with diluted solutions may induce dermatitis.

Individual constituents

QUATERNARY AMMONIUM COMPOUNDS			
Acute Toxicity	Acute oral toxicity (LD50): 240 mg/kg [Rat].	Carcinogenicity	Not listed as a carcinogen NTP, IARC, OSHA, EPA.
Skin Irritation/Corrosion	Skin – moderate irritant (rabbit) Eyes – severe irritant (rabbit)	Reproductivity	No data available
Serious Eye Damage/Irritation	YES	STOT – Single Exposure	No data available
Respiratory or Skin sensitivity	YES	STOT – Repeated Exposure	No data available
Mutagenicity	No data available	Aspiration Hazard	No data available

Section 12 – Ecological Information

Toxicity	
PORT-A-LOO	Acute Aquatic Toxicity - Category 2
Ingredients:	
Non-ionic/cationic surfactants	Harmful to aquatic organisms.
Quaternary Ammonium Compound (cationic surfactant)	(Fish) LC50 96hr 0.75mg/L
Alcohol, ethoxylated (non-ionic surfactant)	(Fish) LC50 96hr 1.1 – 3.0mg/L



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Persistence and degradability		
Ingredient	Persistence: Water/Soil	Persistence: Air
Non-ionic/cationic surfactants	Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD 301D). >70% BOD, 28 days, Closed Bottle Test (OECD 306). Biodegradable in sea water.	Not Available

Bioaccumulative potential	
Ingredient	Bioaccumulation
Non-ionic/cationic surfactants	No bioaccumulation is expected.

Mobility in soil	
Ingredient	Mobility
Non-ionic/cationic surfactants	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.

Section 13 – Disposal considerations

Waste treatment methods	
Product and Packaging Disposal	Recycle wherever possible or consult manufacturer for recycling options. Consult state land waste authority for disposal. Bury or incinerate residue at the approved site. Recycle containers if possible, or dispose of in an authorised landfill.

Section 14 – Transport Information

Labels Required	
Transport pictogram	None Allocated
Marine Pollutant	None Allocated
HAZCHEM	None Allocated

Land Transport (ADG)	
UN Number	None Allocated
Packing Group	None Allocated
UN Proper shipping name or Technical name	None Allocated
Environmental hazard	No relevant data



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Transport hazard class(es)	None Allocated
Special Precautions for user	None Allocated None Allocated
Additional information	Not Available

Section 15 – Regulatory Information

Health, safety and environment regulations

Poisons Schedule	S5 (QUATERNARY AMMONIUM COMPOUNDS >5%)
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Section 16 – Other Information

Issue Date	5 TH February 2016
Version Number	2.0
Abbreviations and acronyms	<ul style="list-style-type: none"> • ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. • AICS: Australian Inventory of Chemical Substances. • CAS Number: Chemical Abstracts Service Registry Number. • GHS: Globally Harmonized System of Classification and Labelling of Chemicals • HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services. • HSIS: Hazardous Substances Information System • IARC: International Agency for Research on Cancer. • NOHSC: National Occupational Health and Safety Commission. • NTP: National Toxicology Program (USA). • SDS: Safety Data Sheet • STEL: Short Term Exposure Limit. • SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons. • TWA: Time Weighted Average. • UN Number: United Nations Number.
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.



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	<ul style="list-style-type: none"> • “Australian Exposure Standards” • List of Designated Hazardous Substances [NOHSC:10005(1999)] • Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition. • Standard for the Uniform Scheduling of Medicines and Poisons 2015. • Material Safety Data Sheets – individual raw materials – Suppliers. • Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)] • HSIS – Hazardous Substance Information System – National Worksafe Data Base. • LABELLING OF WORKPLACE HAZARDOUS CHEMICALS, Code of Practice, DEC 2011 • IMPLEMENTATION OF THE GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) APRIL 2012
<p>Risk assessments</p>	<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>
<p>Disclaimer</p>	<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. 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.</p>
<p>Copyright</p>	<p>This document is copyright.</p>
<p>End of SDS</p>	



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Document Revision History		
Revision Version #	Date	Reason for revision
Draft		GHS format
2.0	05/02/2016	Review by Tuwai Specialties. tuwai.wt@bigpond.com