



MATERIAL SAFETY DATA SHEET AP27 (CB465) AUTO DISHWASING LIQUID

The information contained herein is meant to describe the health and safety requirements of this product and was accurate at the date of issue or revised date. No warranty, express or implied is made as to its fitness for any particular purpose.

1. Identification of the material and supplier: Apex Cleaning Supplies PL. 2 Kinwal Crt. Moorabbin Vic

A highly concentrated, low foaming detergent formulated for use in commercial dishwashing machines. This product is designed for remove most stains. It will leave the machines contents dry and steak free. Apex code AP27 also known as CB465

2. Hazard Identification: Hazardous, Non-dangerous

Classification	Acute Toxicity, Oral 4 Corrosive to metals 1	Eye Damage/Irritation 1	Skin Corrosion/Irritation 1 Acute Aquatic Toxicity 2
Statements	Harmful if swallowed H302 May be corrosive to metal H290	Causes severe skin burns & eye damage H314	Causes serious eye damage H318 Toxic to aquatic life H401
General	Read label before use	Keep out of reach of children	Take product to phone if seeking info
Prevention	P264 Wash skin thoroughly after handling or decanting P234 Keep only in original container. P260 Don't breathe dust/fumes/gas/mist/vapours/spray	P270 Do not smoke, eat or drink when using this product	P280 Wear PVC or rubber gloves, eye protection & face protection P273 Avoid release to the environment.
Response	If inhaled	Remove to fresh air, keep at rest and call a doctor or 131126 poisons info. P304+340	
	If in eyes	Rinse with water, remove contact lenses if present and call a doctor. P305+P351+P338	
	If on skin	Wash with soap and water. Remove and wash contaminated clothing before reuse. If skin irritation occurs seek medical attention. P303+P361+353	
	If swallowed	Rinse mouth with water. If feeling unwell call 131126 poisons info or a doctor P301+312+P330	
Storage	Keep securely locked up – P405	Signal Words	Danger
Pictograms		Other/Not Classified	Dust/Air mixture may form explosive if dispersed
		Disposal	P501 Dispose in accordance with local regulation

3. Composition and Ingredient Information:

INGREDIENTS:	CAS No	PROPORTION
Potassium Hydroxide	1310-58-3	10-30%
Tetrapotassium Pyrophosphate	7758-11-4	<10%
Sodium Silicate Solution	1344-09-8	<10%
Sodium Hypochlorite 12.5% Solution	7681-52-9	<10%

Disclosure of ingredients names in not required by the WHS regulations for those ingredients that meet only physicochemical and /or environmental hazard classifications, or for nonhazardous ingredients.

4. First Aid Measures

Acute Effects:

If swallowed: Will cause harm. May irritate mouth, throat and stomach and can cause diarrhoea.

If in eyes: Mild eye irritant. May cause watering and soreness to eyes.

If on skin: Repeated or prolonged skin, contact may lead to irritation.

If inhaled: Dust may cause slight irritation to the nose and throat. Vapour/odour not usually harmful.

Chronic Effects: Not known Toxicity Data: Not available

First Aid: If poisoning occurs contact a doctor immediately or call Poisons Information Centre on Phone 13 1126

If swallowed: Rinse mouth thoroughly with water. Give plenty of water to drink. Do Not induce vomiting. If vomiting occurs give more water to achieve effective dilution. Seek medical advice if effects persist.

If in eyes: Eyelids to be held open. Immediately flush or irrigate with copious quantity of water for at least 15 minutes.

Seek medical advice if symptoms or irritation persists.

If on the skin: Immediately wash affected areas with soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.

If powder is inhaled: Investigate possible misuse, as this is not considered a feature of normal use.

Advice to Doctor: Treat symptomatically

5.Fire Fighting Measures

Flammability properties	Not Flammable Flash point, Auto-ignition and Flammability Limits Not evaluated
Suitable and Unsuitable Extinguishing Media:	This material should not contribute to the intensity of a fire. Use extinguishing material suitable for ordinary combustibles. Water spray YES, Carbon dioxide YES Foam YES Dry chemical YES Halon NO
Specific Hazards Arising from Chemical	When involved in a fire, this material may decompose and produce irritating fumes and toxic gases. May also contribute to a fire's intensity as this product contains oxidising solids. Explosion Sensitivity to Mechanical Impact: Non- Explosion Sensitivity to Static Discharge: Vapours are not expected to ignite
Special Protective Equipment and Precautions for Fire-fighters	Incipient fire responders should wear eye protection breathing apparatus & Protective firefighting clothing. Avoid contact with this material during firefighting operation. If contact is likely, change to full chemical resistant firefighting clothing wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.
HAZCHEM Code	Not applicable

6.Accidental Release Measures

Personal Precautions	Uncontrolled releases are unlikely to occur. In case of a spill clear the area and protect people. Avoid breathing vapours and contact with skin & eyes.
Protective Equipment	Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Clean up spilled Liquid wearing rubber gloves and eye protection (goggles and face protection) Do not let product enter drains.
Emergency procedures	Eliminate all ignition causes.
Environmental Precautions	May Produce adverse effects to marine organisms and their environment
Methods for containment	Clean up spills. Dispose of in accordance with applicable federal, state and local waste handling laws

7.Handling and Storage

Precautions for Safe Storage	All employees who handle this material should be trained to handle it safely. Wash hands after handling product. Do not eat or drink while handling product. Wear gloves if skin is sensitive. Wear eye and face protection. Keep out of the reach of children. Avoid contact with skin, eyes and mouth.
Conditions for Safe Storage	Keep lid on container to prevent accidental spills. Do not store near incompatible materials. Ensure containers are correctly labelled. Keep SDS nearby in case of spills. Store in locked cupboard with appropriate warning signage. Store in cool, well ventilated area.
Incompatibilities	Other chemicals

8.Exposure Controls

Appropriate Engineering Controls	Ensure adequate ventilation. Ensure air concentrations are below quoted Exposure Standards. Avoid generating and inhaling dust, mists or fumes. Keep containers closed when not in use.
PPE - Respiratory protection	None needed under normal conditions of use. Use AS1715/16 masks if ventilation is inadequate to control dust.
PPE - Eye protection	Use approved safety goggles or safety glasses with a face shield if splash hazards exist.
PPE - Hand Protection	Wear chemical resistant gloves when handling or decanting.
PPE - Body protection	None needed under normal conditions of use. Wear a disposable apron when decanting to protect clothes.
Biological Monitoring	Required only when ventilation is inadequate to maintain concentrations under exposure standards.

9.Physical and Chemical Properties

Appearance	Clear Liquid	How to detect this substance	Clear liquid which is slippery when wet
Odour	Faint Bleach	Odour threshold	Not applicable
Melting Point	Not evaluated	pH	13-14
Initial Boiling Point	Not evaluated	Boiling Point Range	Not Evaluated
Flammability	Not flammable	Evaporation Rate	Not Evaluated
Vapour Density (Air=1)	Not evaluated	Vapour Pressure mm Hg@20°C	Not Evaluated
Solubility (in water)	Completely soluble	Relative Density (water=1)	Not Evaluate
Viscosity	Not evaluated	Oil-Water Partition Coefficient	Not Evaluated

10.Stability and Reactivity

Reactivity	Reacts exothermically with acids. Soluble in water.
Chemical Stability	Stable under normal conditions of use.
Possibility of hazardous	Hazardous polymerization will not occur.

reactions	
Conditions to avoid	Avoid mixing with incompatible substances
Incompatible materials	Water, Moisture
Hazardous decomposition products	See Section 5

11.Toxicological Information – No evaluation for its toxicity as a whole

Ingredient/Component	Oral LD50(mg/kg)	Dermal LD50(mg/kg)	Inhalation LC50(mg/m ³)	Skin irritation	Serious Eye Damage
Potassium Hydroxide	333mg/kg (rat)	No data available	No data available	Causes severe burns	Yes
Tetrapotassium Pyrophosphate	4640 mg/kg (rabbit)	No data available	No data available	Causes moderate skin irritation	Yes
Sodium Silicate Solution	1280mg/kg (rat)	No data available	No data available	Causes moderate skin irritation	Yes
Sodium Hypochlorite 12.5% Solution	5800mg/kg (mice)	No data available	No data available	Yes	Moderate irritant (rabbit)

12.Ecological Information

Ingredient/Component	Toxicity to fish	Toxicity to daphnia	Bioaccumulation	Solubility	Biodegradability
Potassium Hydroxide	80mg/l-96H	No data available	No data available	No data available	Not biodegradable
Tetrapotassium Pyrophosphate	No data available	No data available	No data available	No data available	No data available
Sodium Silicate Solution	2320ppm-96h	247ppm-96h	No data available	No data available	No data available
Sodium Hypochlorite 12.5% Solution	0.04-5.9mg/L-48hr	No data available	No data available	No data available	No data available

13.Disposal Considerations

Preparing Wastes of this product for disposal	Waste disposal must be in accordance with appropriate Federal, State and Local government regulations
Disposal of contaminated packaging	Cleaned containers can be recycled or disposed of as non-contaminated waste as per local regulations

14.Transport Information: Not classified as a dangerous goods for transport.

HAZCHEM	Not classified	Spec. E. P.G.	Not Applicable	UN Number	Not Applicable
D.G. Class	Not dangerous	Packaging Group	I	Poison schedule	1719
Harmoniz	Non-Specified	G.T. E P G	Non-Specified	Sub risk	Not Applicable
Proper/Technical name	Auto Dishwashing Liquid	Special precaution	None	Environment	Classified as having an acute aquatic toxicity

15.Regulatory Information

International Regulatory Programs including Montreal Protocol, The Stockholm Convention, The Rotterdam Convention, The Basal Convention and The International Convention for the Prevention of Pollution from Ships are not applicable to this product.

This product is not listed as Controlled under the Agricultural and Veterinary Code Act 1994, is not Prohibited, Licensed or Notifiable under Australian Commonwealth or State Regulations. The ingredients listed in this product are listed on the AICS (Australian Inventory of Chemical Substances Act 1989)

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