

Safety Data Sheet

ISSUE DATE: 01/11/2023

Glisten – Aluminium Safe Detergent

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1. Identification

GHS Product identifier	Machine Dishwasher Liquid (non-caustic)
Company Name	Cleaner Future Pty. Ltd.
Address	9/8 Garden Road, CLAYTON VIC 3168
Telephone	(03) 9850 3055
Fax Number	(03) 9850 3011
Contact	Info@cleanerfuture.com.au
Recommended use	Detergent for commercial dishwashers with automatic dispensers
Other Names	Glisten#659 (Manufacturer's supply code)
Other Information	Emergency contact: 13 11 26

2. Hazard Identification

Statement of Hazardous Nature

Hazardous according to the criteria of Safe Work Australia.

NOT a Dangerous Good according to the "Australian Code for the Transport of Dangerous Goods by Road & Rail"

Signal Word	DANGER
Hazard Classifications	Acute Toxicity, Oral Category 4 Skin Corrosion/Irritation Category 2 Serious Eye damage/irritation Category 2A



Hazard Statements	H 302: May be harmful if swallowed. H 315: Causes skin irritation. H 319: Causes serious eye damage.
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Precautionary statements

Prevention	P102: Keep out of reach of children. P103: Read label before use. P264: Wash hands, face and all exposed skin thoroughly after handling. P280: Wear protective gloves, protective clothing, eye protection, face protection.
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Response	P101: If medical advice is needed, have product container or label at hand. P301+P330+P331: IF SWALLOWED. Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair). Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED. Remove person to fresh air and keep comfortable for breathing. 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 CENTER or doctor. P363: Wash contaminated clothing before reuse.
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Storage	P405: Store locked up.
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Disposal	P501: Dispose of contents/container to comply with local, state and federal regulations.
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3. Composition/information on ingredients

Ingredient	CAS no.	Proportion
Sodium carbonate	497-19-8	MED
Sodium silicate		V LOW

KEY: Proportion, (wt %) - V HIGH >60, HIGH 30 - 60, MED 10 -29, LOW 1-9, V LOW <1

Non hazardous ingredients to 100%

4. First-aid measures

Ingestion:	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. If vomiting occurs, have victim lean forward to reduce risk of aspiration. If vomiting occurs give further water to achieve effective dilution. Seek immediate medical assistance.
Skin:	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek urgent medical assistance. Cover skin with an emollient.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance. If available, a neutral saline solution may be used to flush the contaminated eye/s an additional 30 minutes.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically (as for strong alkalis). Consult Poisons Information Centre. In severe cases, where excessive amounts of potassium hydroxide have been ingested, endoscopy should be performed to determine the severity of any esophageal burns.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26_ New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion	May liberate toxic fumes in fire (potassium oxide).
Suitable extinguishing media	Use extinguishing media most appropriate for the surrounding fire. Small fire: Use dry chemical, CO2 or water spray. Large fire: Use water spray, fog or foam - Do NOT use water jets. If safe to do so, remove undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
Specific hazards arising from the chemical	Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases.
Hazchem Code	2X
Precautions in connection with fire	Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

6. Accidental release measures

Personal Precautions	Avoid contact with skin and eyes.
Personal Protection	Gloves. Face-shield. Corrosion-proof suit. Dust cloud production: compressed air/oxygen apparatus. Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods- Small Spillages	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to item 13.
Clean-up Methods- Large Spillages	Seek expert advice on handling and disposal.
Environmental Precautions	Avoid release to the environment.

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7. Handling and storage

Precautions for Safe Handling	Remove contaminated clothing immediately. Clean contaminated clothing. Use corrosion proof equipment. Do not discharge the waste into the drain. Avoid raising dust. Observe very strict hygiene - avoid contact. Keep container tightly closed. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
Conditions for safe storage, including any incompatibilities.	Store in a cool, dry place. Store away from acids and strong oxidising agents. Keep containers securely sealed.
Storage Regulations	Refer Australian Standard AS 3780 - 1994 'The Storage and Handling of Corrosive Substances'.

8. Exposure controls/personal protection

Occupational exposure limit values	Contains no ingredients with exposure limit values.
Other exposure Information	A time weighted average (TWA) has been established for Potassium hydroxide (Safe Work Australia) of 2 mg/m ³ . The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.
Engineering Controls	In industrial situations maintain the concentrations values below the TWA.
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-face piece SCBA should be used. If respiratory protection is required; institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Rubber or plastic gloves.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

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9. Physical and chemical properties

Appearance	Thin clear, colourless liquid
Odour	Characteristic
Melting Point	~0 °C
Boiling Point	~100°C
Flash point	Not applicable
Vapour Pressure	Not determined
Solubility	Miscible in water in all proportions
Specific Gravity	1.1 g/cm ³ @ 20 °C
pH	13 - 14 (as supplied)
Viscosity	~100 cPs @ 20 °C
Percent volatile	> 80 %
Flammability	Non flammable

10. Stability and reactivity

Chemical Stability	Stable under normal use.
Conditions to Avoid	High temperatures and incompatible materials.
Incompatible Materials	Strong acids and oxidising agents
Hazardous Decomposition products	None known.
Possibility of hazardous reactions	Reacts violently with acids.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute toxicity	Harmful if swallowed.
Skin corrosion/irritation	Causes skin irritation. Causes serious eye damage.
Germ cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified
Symptoms/injuries after Inhalation	AFTER INHALATION OF MISTS: Dry/sore throat. Corrosion of the upper respiratory tract. Respiratory difficulties. FOLLOWING SYMPTOMS MAY APPEAR LATER: Possible oedema of the upper respiratory tract. Possible inflammation of the respiratory tract.
Symptoms/injuries after skin contact	SKIN IRRITANT. Corrosion of the skin and slow-healing wounds.
Symptoms/injuries after eye contact	EYE IRRITANT. Corrosion of the eye tissue, potentially with serious eye damage.
Symptoms/injuries after Ingestion	Abdominal pain. Difficulty in swallowing. Possible esophageal perforation. Irritation of the oral mucous membranes. Blood in vomit. Disturbances of heart rate.
Chronic symptoms	No effects known.

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12. Ecological information

Ecology – water	No information available.
Persistence and Degradability	Primary biodegradable, 100%
Biochemical oxygen demand (BOD)	Not applicable.
Chemical oxygen demand (COD)	Not applicable.
Bioaccumulation potential	No information available.
Mobility in soil	No information available.
Other adverse effects	No information available.

13. Disposal considerations

Disposal Considerations	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 in water courses. Do not dispose of tank water bottoms by allowing them to drain into the ground. This will result in soil and groundwater contamination. Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
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14. Transport information

NOT a Dangerous Good according to the “Australian Code for the Transport of Dangerous Goods by Road & Rail”

15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	None allocated.

16. Other Information

Date of preparation or last revision of SDS: 1st November, 2023

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.