Safety Data Sheet

cleanerfuture.

ISSUE DATE: 01/04/2024

BLINK - DESCALER

1. Identification

GHS Product identifier	Blink Descaler
Company Name	Cleaner Future Pty. Ltd.
Address	Unit 9/8 Garden Road, Clayton VIC 3168
Telephone	(03) 9850 3055
Fax Number	(03) 9850 3011
Contact	info@cleanerfuture.com.au
Recommended use	Dishwasher treatment
Other Names	BLINK-562 (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.
Dangerous Good according to ADG Code.

Signal Word **DANGER**

Skin Corrosion	Category 1B
Serious eye damage	Category 1
Corrosive to Metals	Category 1



Hazard Statements

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage

Precautionary statements

Prevention

P260 - Do not breathe mist, vapour or spray
P264 - Wash exposed skin thoroughly after handling
P280 - Wear protective gloves, protective clothing, eye protection, face protection
P234 – Keep only in original container

Response

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.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical Characterization Aqueous blend of acids and proprietary surfactants

Hazardous ingredients	Name	CAS no.	Proportion
	Phosphoric Acid	7664-38-2	HIGH
	Butyl Glycol Ether	111-76-2	LOW

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

Non-hazardous proprietary ingredients to 100%

4. First aid measures

Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

Advice to Doctor Treat symptomatically. Consult Poisons Information Centre

Other Information For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26 and New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Suitable extinguishing media Use extinguishing media most appropriate for the surrounding fire such as water, foam or dry agent (carbon dioxide, dry chemical powder).

Specific hazards arising from the chemical This product is likely to decompose only after heating to dryness, followed by further strong heating.

Precautions in connection with fire Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental release measures

Personal Precautions Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods-

Small Spillages Minor spills do not require special clean up measures or emergency procedures. Wear recommended personal protective equipment outlined in Section 8 when containing any spillage.

Large Spillages Seek expert advice on handling and disposal.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

7. Handling and storage

Precautions for Safe Handling Keep direct skin contact by this product to a minimum when handling concentrated solutions. Wear protective gloves. If there is a significant chance that mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Risk Phrases R36/38 Irritating to eyes and skin.

Conditions for safe storage Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Incompatible products Alkalis

Incompatible materials None known

8. Exposure controls/personal protection

Occupational exposure limit values

Name	STEL		TWA		
	mg/m3	ppm	mg/m3	ppm	Footnote
Phosphoric Acid	3		1		
Butyl Glycol Ether	242		96.6		

Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
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. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Nitrile rubber 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 and 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.

9. Physical and chemical properties

Appearance	Blue-coloured, viscous liquid
Odour	Scented (Wintergreen Oil)
Melting Point	~0 °C
Boiling Point	~ 100 °C
Flash point	Not applicable
Vapour Pressure	Not determined
Solubility	Soluble in water in all proportions.
Specific Gravity	1.0 g/cm^3 @ 20 °C
pH	1.0 – 2.0 (as supplied)
Viscosity	Not determined
Percent volatile	> 85 %
Flammability	Non-flammable

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	No special conditions. Refer to storage conditions in Section 7.
Incompatible Materials	Contact with alkalis.
Hazardous Decomposition products	This product is likely to decompose only when heated to dryness. Complete decomposition is likely to release carbon dioxide; incomplete combustion is likely to release carbon monoxide and smoke.

Possibility of hazardous reactions	Not expected to occur.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute toxicity

Health effects from the likely routes of exposure:

Inhalation	Harmful if inhaled. Vapour or mist can cause irritation to nose, throat and upper respiratory tract.
Skin	Corrosive to skin. Causes severe skin burns.
Eye	Damaging to eyes. Symptoms include redness, pain, itching, conjuctivitus and permanent eye damage.
Ingestion	Burns to the mouth, throat and stomach.

12. Ecological information

The following applies to phosphoric acid

Biological effects	Harmful effect on aquatic organisms. May cause long-term adverse effects in the aquatic environment. Harmful effect due to pH shift.
Persistence and degradability	High
Mobility in soil)	High (LokKOC = 1)
Bioaccumulative potential	Low (LogKOW = 0.7699)

13. Disposal considerations

Disposal Considerations	Avoid release of product to the environment. Product and containers not suitable for landfill. Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycling company. If this is not practical, send to a commercial waste disposal site. Check with Waste Disposal Authority before sending for recycling.

14. Transport information

Land transport (ADG)	DANGEROUS GOODS of Class 8 (Corrosive)
UN Proper Shipping name	PHOPHORIC ACID
UN Number	1805
Hazchem Code	2R
Packing Group	III
EPG Number	8A1

15. Regulatory information

Regulatory Information	Ingredients listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	S6

16. Other Information

Date of preparation or last revision of SDS	1st April, 2024

THIS MSDS 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 MSDS 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.