

Safety Data Sheet

ISSUE DATE: 01/11/2023

Enzo – Enzymatic Floor Cleaner

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1. Identification

GHS Product identifier Enzo
Other Names # Enzo-350 (Manufacturer's Code)
Company Name Cleaner Future Pty. Ltd.
Address 9/8 Garden Road Clayton, VIC 3168
Telephone (03) 9850 3055
Fax Number (03) 9950 3011
Contact info@cleanerfuture.com.au
Recommended use Enzymatic Floor & Hard Surface Cleaner

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"

GHS classification of

Skin Corrosion/Irritation Category 2
Serious Eye damage/irritation Category 2A

Signal Word (s)

WARNING



Hazard Statements

H 315: Causes skin irritation.
H 319: Causes serious eye irritation.

Precautionary Statements

Prevention

P264: Wash hands after use.
P280: Wear protective gloves.

Response

P305 + P351 + P338: IF IN EYES. Rinse with water for several minutes. Remove contact lenses, if present, and continue rinsing.
P303 + P361 + P353: IF ON SKIN (or hair). Remove immediately all contaminated clothing. Rinse skin with water.
P304 + P340: IF INHALED. Remove victim to fresh air and keep in a position comfortable for breathing.

Storage Disposal

None allocated.
None allocated.

3. Composition/information on ingredients

Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Proportion</u>
Triethanolamine	102-71-6	LOW
Non-hazardous ingredients to 100%		

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

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4. First-aid measures

Ingestion:	Rinse mouth with water. Never give anything by mouth to an unconscious person.
Skin:	Wash off with soap and plenty of water. Consult a physician if irritation, burning or redness develops.
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	Normal washroom facilities.
Advice to Doctor	Treat symptomatically.
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). If safe to do so, move undamaged containers from the fire area. If a significant quantity (>200L) of this product is involved in a fire, call the fire brigade.
Specific hazards arising from the chemical	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. 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. Ensure adequate ventilation.
Personal Protection	Evacuate personnel to safe areas. For personal protection. (see section 8)
Clean-up Methods:	Wear protective clothing specified for normal operations. (see Section 8)
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	Make sure that the product does not come into contact with substances listed under "Incompatible Materials" in Section 10.
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.

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8. Exposure controls/personal protection

Occupational Exposure Limit values

Name	STEL		TWA		Footnote
	mg/m3	ppm	mg/m3	ppm	
Triethanolamine	-	-	2	-	

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 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

Eye Protection The use of safety glasses with side shield protection.

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.

Hand protection should comply with AS 2161, *Occupational Protective Gloves*

Footwear Safety footwear in industrial situations is advisory.

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.

9. Physical and chemical properties

Appearance	Viscous, opaque, green liquid
Odour	Characteristic
Melting Point	~0 °C
Boiling Point	~ 100 °C
Flash point	Not applicable
Vapour Pressure	Not determined
Solubility	Miscible with water in all proportions.
Specific Gravity	1.1 g/cm ³ @ 20 °C
pH	8.5 to 9.0 (as supplied)
Viscosity	~ 300 cPs @ 20 °C
Percent volatile	> 90 %
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 Oxidising agents and acids.

Hazardous Decomposition products Likely products: Carbon monoxide, carbon dioxide and oxides of nitrogen.

Possibility of hazardous reactions Not expected to occur.

Hazardous Polymerization Will not occur.

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11. Toxicological Information

Acute toxicity

Health effects from the likely routes of exposure:

Inhalation	Not expected to cause respiratory irritation.
Skin	Irritant.
Eye	Serious eye damage.
Ingestion	May be harmful if swallowed. May result in irritation to the gastrointestinal tract.
Target Organs:	
STOS – single exposure	No known significant effects or hazards.
STOS – repeated exposure	No known significant effects or hazards.

12. Ecological Information

Ecotoxicity	100% Biological elimination [Method: OECD 302B]
Persistence and degradability	Biodegradable.

13. Disposal Considerations

Disposal	The small quantities contained in wash solutions can be handled by conventional sewage, septic and grey water systems. To dispose of large quantities of undiluted product, refer to State Land Waste Management Authority. Containers should be emptied as completely as practical before disposal.
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14. Transport information

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

U.N. Number	None allocated
UN proper shipping name	None allocated
Transport hazard class(es)	None allocated
Hazchem Code	None allocated
Packing Group	None allocated

15. Regulatory information

Regulatory Information	Ingredients listed in the Australian Inventory of Chemical Substances (AICS) and are compliant with NICNAS regulations.
Poisons Schedule	None allocated

16. Other Information

Date of preparation or last revision of SDS	1 st November, 2023
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THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THIS PRODUCT AND HOW TO SAFELY USE THIS 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.