GEARTH

SAFETY DATA SHEET
RinsePro

GHS REV 10

1 Identification

Product identifier	RinsePro
Other means of identification	No data available
Recommended use	Eco-friendly industrial automatic dishwashing rinse aid.
Restrictions on use	No data available
Supplier	GEARTH (Pty) Ltd, 96 Lazy River Road, Centurion 0157, Gauteng, South Africa
Telephone	012 004 8183 | info@gearth.co.za
Emergency telephone number	**066 214 2274 (24 hours)**

2 Hazards identification

2.1 Classification of the substance or mixture

GHS classification	Not classified under GHS Rev 10 by the source data. Source assessment: irritant / toxic — irritating to eyes and skin; toxic if inhaled or swallowed in large amounts. Hazard components: iso-propanol, citric acid.

2.2 Label elements

Hazard pictograms	No data available
Signal word	No data available
Hazard statements	No data available
Precautionary — prevention	Use in well-ventilated areas; prevent eye contact and ingestion (source safety phrases).
Precautionary — response	No data available
Precautionary — storage	No data available
Precautionary — disposal	No data available

2.3 Other hazards

OTHER HAZARDS DISCLOSURE

Can be fatal if swallowed in large amounts; flash point 49 – 80 °C (source data).

3 Composition / information on ingredients

Ingredient	CAS no.	EC no.	Conc. % (w/w)	Classification
Iso-propanol	No data available	No data available	No data available	Listed as hazard component (source, pre-GHS)
Citric acid	No data available	No data available	No data available	Listed as hazard component (source, pre-GHS)
Total			**100**	

Exact composition percentages are withheld as a trade secret in accordance with the HCA Regulations, 2021. The classification of withheld components is reflected above.

4 First-aid measures

4.1 Description of first-aid measures

Inhalation	Remove the person to open air.
Skin contact	Wash thoroughly with water.
Eye contact	Wash thoroughly; rinse with water.
Ingestion	Drink milk.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	Eye irritation; possible nausea if ingested; can be fatal if swallowed in large amounts.

4.3 Indication of any immediate medical attention and special treatment needed

Medical attention	Treat symptomatically; give milk if ingested.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide / dry regular foam.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	None (source data).

5.3 Advice for firefighters

Protective equipment for firefighters	Positive-pressure self-contained breathing apparatus.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Protect eyes.
Environmental precautions	None identified by source data.
Methods and material for containment and cleaning up	Small spills: flush to drains. Large spills: contain with absorbent.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Avoid contact with spills.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	HD polyethylene containers.
Packaging	5 kg and 25 kg drums.
Shelf life	No data available
Incompatibilities	No data available

8 Exposure controls / personal protection

8.1 Control parameters — occupational exposure limits

Substance	OEL type	Value	Source
Product as supplied	Source-stated exposure limit	>200 000 ppm (source data; basis not stated)	HCA Regs 2021 Annexure 2

8.2 Appropriate engineering controls

Engineering controls	Ventilate.

8.3 Individual protection measures

Eye / face protection	Goggles recommended.
Skin / hand protection	Gloves recommended. Glove material: No data available; breakthrough time: No data available
Respiratory protection	Not applicable per source. Filter type: Not applicable
Thermal hazards	No data available

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Clear
Odour	Typical alcohol smell
Melting point / freezing point	−5 °C
Boiling point or initial boiling point and boiling range	> 100 °C
Flammability	Not applicable per source
Lower and upper explosion limit / flammability limit	No data available
Flash point	49 – 80 °C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	7 – 8 (10% solution; temperature not stated in source data)
Kinematic viscosity	No data available
Solubility	100% soluble
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	No data available
Density and/or relative density	Approx. 1.01 ± 0.01 kg/L (SG approx. 1.15 – 1.20 also quoted by source)
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information

Explosive properties	Nil (source data)
Oxidising properties	Nil (source data)
Bulk density	No data available
Active solids	No data available

10 Stability and reactivity

Reactivity	No data available
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat.
Incompatible materials	Nil (source data).
Hazardous decomposition products	No data available

11 Toxicological information

Likely routes of exposure	Eye and skin contact; inhalation; ingestion.
Symptoms related to exposure	May be an irritant on skin and eye contact.
Delayed and chronic effects	Nil (source data).

Numerical measures of toxicity

Endpoint	Species	Route	Value
Acute toxicity (route not stated)	No data available	No data available	>10 000 mg/kg (source data)

Single acute value as printed in the source; species and route not stated.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	May be an irritant (source data; not classified).
Serious eye damage / irritation	May be an irritant (source data; not classified).
Respiratory sensitisation	No data available
Skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Nil (source data).
Reproductive toxicity	Nil (source data).
STOT — single exposure	No data available
STOT — repeated exposure	No data available
Aspiration hazard	No data available

12 Ecological information

Aquatic toxicity

Species	Endpoint	Value	Duration
Fish	Acute toxicity	Not known (source statement)	No data available
Daphnia	Acute toxicity	Not known (source statement)	No data available
Algae	Acute toxicity	Nil (source statement)	No data available

Source reports qualitative statements only; no numerical endpoints, test methods or durations given.

Persistence and degradability — method	No data available
Persistence and degradability — result	Biodegradable (source statement).
Bioaccumulative potential	No (source statement).
Mobility in soil	No data available
Other adverse effects	No data available

13 Disposal considerations

Waste residues	No data available
Disposal methods	Refer to local authorities.
Contaminated packaging	As for product — refer to local authorities.
Waste classification (NEM:WA 59 of 2008, GN R635)	No data available

14 Transport information

Mode	UN no.	Proper shipping name	Class	PG
Road (SANS 10228 / ADR)	Not applicable	Not regulated	Not applicable	Not applicable
Rail (RID)	Not applicable	Not regulated	Not applicable	Not applicable
Sea (IMDG)	Not applicable	Not regulated	Not applicable	Not applicable
Air (IATA)	Not applicable	Not regulated	Not applicable	Not applicable

Marine pollutant	No data available
Transport in bulk (IMO instruments)	Not applicable
Special precautions for user	Load as part of a multi-load. Emergency response group 111 (source data).

15 Regulatory information

Safety, health and environmental regulations specific to the product	Occupational Health and Safety Act 85 of 1993; Regulations for Hazardous Chemical Agents, 2021; NEM:WA 59 of 2008; None identified
NRCS VC 8054 status	No data available
Ecolabel certification	No data available
Chemical safety assessment	No data available

16 Other information

Date of preparation	18 August 2026
Latest revision	Rev 1.0, 18 August 2026
Summary of changes	First GEARTH issue (Rev 1.0). Safety content transferred unchanged from the source manufacturer's MSDS (undated source MSDS); no data re-tested or re-derived.
Full text of hazard (H) statements	No data available
Full text of precautionary (P) statements	Use in well-ventilated areas. Prevent eye contact and ingestion.
Key to abbreviations	GHS — Globally Harmonized System; OEL — occupational exposure limit; STOT — specific target organ toxicity; PG — packing group; SG — specific gravity; CAS — Chemical Abstracts Service; HCA — hazardous chemical agents.
Classification method	Hazard information carried over from the source manufacturer's assessment (pre-GHS format). Classification against UN GHS Rev 10 criteria to be confirmed.
Training advice	Use only according to the instructions for use. Personnel handling the concentrate should be familiar with the first-aid and spill measures in Sections 4 and 6.
Disclaimer	This information is based on present knowledge and describes the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee of the properties of the product. Final determination of suitability for any use is the sole responsibility of the user.

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SIGN-OFF

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