



HI-GENIC (ENVIRONMENTAL CHOICE)

SAFETY DATA SHEET VERSION 1.0, 18TH MARCH 2022.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Hi-Genic
 Recommended use: Toilet bowl cleaner
 Supplier name: Integra Industries Ltd
 Address: 21 A Grosvenor Street, Dunedin
 Email: info@integraindustries.co.nz
 Phone: 0800 667 843
 Emergency Telephone: International: +643 479 7227
 New Zealand: 0800 764 766 (NZ NATIONAL POISON CENTRE)

2. HAZARD IDENTIFICATION

Hazard Classification: **HAZARDOUS** according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria.
 Signal word: Danger.

Symbol: Exclamation mark; Corrosion.



Hazard Categories:

- Acute toxicity (inhalation) - Category 4.
- Skin corrosion / irritation - Category 2.
- Eye damage / irritation - Category 1.

Hazard statement/s:

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.

Prevention statement/s:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read Safety Data Sheet before use.
- P261 Avoid breathing mist/vapours/spray.
- P271 Use only outdoors, or in a well-ventilated area.
- P264 Wash hands thoroughly after handling.
- P280 Wear eye/face protection.

Response statement/s:

- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison centre or doctor if you feel unwell.
- P305 + P351 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses. Continue rinsing. Immediately call a poison centre or doctor.
- P302 + P352 IF ON SKIN (or hair): Rinse skin with plenty of water.
- P332 + P313 If skin irritation occurs, get medical advice/attention.
- P362 + P364 Take off contaminated clothing and wash before reuse.

Storage statement/s: None

Disposal statement/s: P501 – Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See council for disposal/recycling info.

The information contained in this SDS is specific to the product when handled and used neat. This product when diluted/mixed may not require the same control measures as the neat product. Check with your technical representative if in doubt.

3. COMPOSITION / INFORMATION ON INGREDIENTS

According to GHS, the ingredients below are considered either hazardous or dangerous goods at levels used in this product:

INGREDIENT	CAS No.	PROPORTION (%)
2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	< 20%
Ethanol, 2-butoxy-	111-76-2	< 10%
Lactic Acid	50-21-5	1 - 5%
2-Phosphonobutane-1,2,4-tricarboxylic acid	37971-36-1	1 - 5%

4. FIRST AID MEASURES

Ingestion: Rinse mouth out with water. Do NOT induce vomiting.

Eye contact: Flush with water for several minutes. Remove contact lenses. Continue rinsing for at least 15 minutes.

Skin contact: Wash hands thoroughly after handling.

Inhalation: Remove from source of exposure to fresh air. Allow the person to rest in a position where they can breathe easily.

5. FIRE FIGHTING METHODS

General measures: Clear fire area of all non-emergency personnel. Stay upwind. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Flammability conditions: This product is not flammable.

Fire and Explosion Hazard: None

Special fire fighting instructions: None.

Hazardous products of combustion: Packaging material may burn to emit noxious fumes.

PPE: Fire fighters should wear standard PPE.

HAZCHEM code: None.

6. ACCIDENTAL RELEASE MEASURES

General procedure: Stop leak if safe to do so. Shut off all ignition sources. Avoid walking through spilled product (slippery).

Clean up procedures: Flush small spills with plenty of water. For large spills, soak up spilled product using absorbent non-combustible material such as sand or soil. When saturated collect material, transfer to suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste. Wash area down with excess water.

Evacuation criteria: Evacuate all unnecessary personnel.

PPE: No specific PPE required for this product.

7. HANDLING AND STORAGE

Handling: Keep eye bath available and ready for use. Observe good personal hygiene practices and recommended procedures.

Storage & Container: No special instructions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No data available.

Biological limit values: No data available.

Engineering controls: None required for this product.

PPE: Recommend safety glasses, gloves and safety shoes a minimum when handling bulk chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state: Liquid.

Appearance: Clear.

Colour: Purple-blue.

Odour: Floral.

Ph: 2.5 – 3.5.

Density/ vapour density: No data available.

Vapour pressure: No data available.

Boiling/freezing point: No data available.

Solubility: Complete in water.

Shelf life: 2 years from date of manufacture (when stored as directed).

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions/Materials to avoid: None.

Hazardous decomposition: Packaging may evolve toxic gases when burning.

Hazardous polymerisation: Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation: Excessive inhalation may cause mild, transient irritation.

Skin contact: Excessive contact may cause mild, transient irritation.

Eye contact: Contact may cause serious eye damage. Flush well with water. Seek medical attention if irritation persists.

Long term exposure: No data available.

Ingestion: May cause mild, transient irritation.

12. ECOLOGICAL INFORMATION

Persistence/Degradability: No information available.

Mobility: No information available.

Environmental Fate: No risk.

Bioaccumulation potential: No information available.

Environmental impact: This product is not harmful to the environment.

13. DISPOSAL CONSIDERATIONS

General information: Product is extremely diluted and poses no risk if used as directed.

Special precautions for landfill: None

14. TRANSPORT INFORMATION

NOT classified as Dangerous Goods by the by the NZ Transport Agency - Land Transport Rule (2005).

15. REGULATORY INFORMATION

Country/ region: New Zealand

Status: Classified as Hazardous according to GHS.

HSNO classifications: 6.1D(Inhal.), 6.3A, 8.3A

Group standard: HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2020.

16. OTHER INFORMATION

SDS issue number: 1.0 - This issue number replaces all previous issues

SDS issue date: 18/3/2022.

Reason(s) for issue: Rebranded product.

In any event, the review and, if necessary, the re-issue of a SDS shall be no longer than 5 years after the last date of issue.

LEGEND:

AICS	Australian Inventory of Chemical Substances
APVMA	Australian Pesticides and Veterinary Medicines Authority
AQIS	Australian Quarantine and Inspection Service
AS	Australian Standard (as issued by Standards Australia)
GHS	Globally Harmonised System
NOHSC	National Occupational Health and Safety Commission
PPE	Personal Protective Equipment
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit. A 15-min TWA exposure, not to be exceeded at any time during a working day, even if the 8-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not exceed 15-min and should not be repeated more than 4 times per day. There should be at least 60-min between successive exposures at the STEL.
TGA	Therapeutic Goods Administration
TLV	Threshold Limit Value. TLV is a proprietary name registered by the American Conference of Governmental Industrial Hygienists (ACGIH) and refers to airborne concentrations of substances or levels of physical agents to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.
TWA	Time Weighted Average. The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product and in particular how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request. This SDS may only be reproduced in full. Summaries or excerpts from this SDS may not contain all the relevant information and thus are not permitted.

End of SDS