

Geller Bowl Blast Toilet Cleaner

Safety Data Sheet

1. Identification of Substance & Company

Product

Product name	Geller Bowl Blast Toilet Cleaner
Product code	NA
HSNO approval	HSR002530
Approval description	Cleaning Products Subsidiary Hazard Group Standard 2020
UN number	NA
Proper Shipping Name	NA
DG class	NA
Packaging group	NA
Hazchem code	NA
Uses	Toilet and bathroom surface cleaner.

Company Details

Company	Integra Industries Ltd
Address	21A Grosvenor St , South Dunedin
Telephone	0800 667 843
Website	www.integraindustries.co.nz

Emergency Telephone Number: 0800 764 766

2. Hazard Identification

GHS classification of substance/mixture

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

GHS 7 Classes

Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 1
Acute Toxicity (Inhalation) Category 4

Hazard Statements

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

SYMBOLS

DANGER



Other Classifications

There are no other classifications that are known to apply

Precautionary Statements

Prevention	P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves, protective clothing, eye protection and face protection.. P261 Avoid breathing mist/vapours/spray. P264 Wash all exposed external body areas thoroughly after handling.
Response	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/doctor/physician/first aider. P302+P352 IF ON SKIN: Wash with plenty of water P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Storage	Not Applicable
Disposal	Not Applicable

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3. Composition / Information on Ingredients

Component	CAS/ Identification	Concentration
citric acid	77-92-9	<20
glycolic acid	79-14-1	<5
2-phosphonobutane-1,2,4-tricarboxylic acid	37971-36-1	<5

This is a commercial product whose exact ratio of components may vary slightly. Trace quantities of impurities are also likely.

4. First Aid

General Information

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

Recommended first aid facilities Ready access to running water is recommended. Accessible eyewash is recommended.

Exposure

Swallowed

- For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed.
- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Transport to hospital or doctor without delay.

Eye Contact

IF IN EYES:

- Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Transport to hospital or doctor without delay.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact

If skin or hair contact occurs:

- Immediately flush body and clothes with large amounts of water, using safety shower if available.
- Quickly remove all contaminated clothing, including footwear.
- Wash skin and hair with running water.
- Continue flushing with water until advised to stop by the Poisons Information Centre.
- Transport to hospital, or doctor.

Inhaled

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor.

Advice to Doctor

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Treat symptomatically

5. Firefighting Measures

Suitable Extinguishing Media:	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Fire Incompatibility:	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
Firefighting:	<ul style="list-style-type: none">• Alert Fire Brigade and tell them location and nature of hazard.• May be violently or explosively reactive.• Wear breathing apparatus plus protective gloves.• Use fire fighting procedures suitable for surrounding area.• Non combustible.
Fire/Explosion Hazard:	<ul style="list-style-type: none">• Not considered a significant fire risk, however containers may burn. Decomposes on heating and produces: carbon dioxide (CO ₂) phosphorus oxides (PO _x) other pyrolysis products typical of burning organic material. May emit poisonous fumes. May emit corrosive fumes.
Hazchem code	NA

6. Accidental Release Measures

Containment	Minor spills: <ul style="list-style-type: none">• Clean up all spills immediately.• Avoid breathing vapours and contact with skin and eyes.• Control personal contact with the substance, by using protective equipment.• Contain and absorb spill with sand, earth, inert material or vermiculite. Major Spills: <ul style="list-style-type: none">• Clear area of personnel and move upwind.• Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive.• Wear breathing apparatus plus protective gloves.
Emergency procedures	See section 8
Clean-up method	No information available.
Disposal	No information available.
Precautions	See section 12

Personal Protective Equipment advice is contained in Section 8 of the SDS.

7. Storage and Handling

Storage	<ul style="list-style-type: none">• Lined metal can, lined metal pail/ can.• Plastic pail.• Polyliner drum.• Packing as recommended by manufacturer.
Storage Incompatibility	<ul style="list-style-type: none">• Avoid strong bases.• Avoid reaction with oxidising agents
Handling	<ul style="list-style-type: none">• DO NOT allow clothing wet with material to stay in contact with skin• Avoid all personal contact, including inhalation.• Wear protective clothing when risk of exposure occurs• Use in a well-ventilated area.• Avoid contact with moisture.
Other Informaion	<ul style="list-style-type: none">• Store in original containers.• Keep containers securely sealed.• Store in a cool, dry, well-ventilated area.• Store away from incompatible materials and foodstuff containers.Keep containers securely sealed.

8. Exposure Controls / Personal Protective Equipment

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Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m3 for respirable particulates and 10mg/m3 for inhalable particulates when limits have not otherwise been established.

NZ Workplace Exposure Standards	Ingredient	WES-TWA	WES-STEL
	citric acid	Not Available	Not Available
	glycolic acid	Not Available	Not Available
	2-phosphonobutane-1,2,4-tricarboxylic acid	Not Available	Not Available

Engineering Controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Personal Protective Equipment

Eye and Face



- Chemical goggles.
- Full face shield may be required for supplementary but never for primary protection of eyes.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

Skin

See Hand protection below

Hands/ Feet



- Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Personal hygiene is a key element of effective hand care.

Body

See Other protection below.

Other protection

- Overalls.
- P.V.C apron.
- Barrier cream.
- Skin cleansing cream.

WES Additional Information

Not applicable

9. Physical & Chemical Properties

Appearance Form

Blue clear liquid with characteristic odour; mixes with water.
Liquid

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Odour	Not available
Odour Threshold	Not available
pH	2.5-3.5
Freezing/Melting Point	Not applicable
Flammability	Not available
Flashpoint	Not available
Upper Explosive limit (%)	Not available
Lower Explosive limit (%)	Not available
Vapour pressure (kPa)	Not available
Vapour density	Not available
Specific gravity/density	Not available
Solubility	Miscible
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Particle Characteristics	Not available

10. Stability & Reactivity

Chemical Stability	<ul style="list-style-type: none"> Unstable in the presence of incompatible materials Product is considered stable. Hazardous polymerisation will not occur.
Reactivity	See section 7
Conditions to be avoided	See section 7
Incompatible groups	See section 7
Possibility of hazardous reactions	See section 7
Hazardous decomposition products	See section 5
Hazardous Polymerization	None known.

11. Toxicological Information

Summary

IF SWALLOWED: may cause gastrointestinal irritation.
 IF IN EYES: may cause permanent eye damage.
 IF ON SKIN: may cause mild skin irritation.

Supporting Data

Acute	Oral	Accidental ingestion of the material may be damaging to the health of the individual.
	Inhaled	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.
	Eye	If applied to the eyes, this material causes severe eye damage.
	Skin	Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. This material can cause inflammation of the skin on contact in some persons.
Chronic	Sensitisation	Based on available data, the classification criteria are not met.
	Mutagenicity	Based on available data, the classification criteria are not met.
	Carcinogenicity	Based on available data, the classification criteria are not met.
	Reproductive / Developmental	Based on available data, the classification criteria are not met.
	Systemic Aggravation of existing condition	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

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STOT – Single
Exposure
STOT –
Repeated
Exposure
Aspiration
Hazard

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

12. Ecological Data

Supporting Data

Toxicity

CLEANER TOTAL BOWL BLAST
GELLER 20L

Endpoint	Test Duration (hr)	Species	Value	Source
Not Available	Not Available	Not Available	Not Available	Not Available

Citric acid

Endpoint	Test Duration (hr)	Species	Value	Source
EC50	48h	Crustacea	>50mg/l	2
EC50(ECx)	48h	Crustacea	>50mg/l	2
EC50	72h	Algae or other aquatic plants	990mg/l	2
LC50	96h	Fish	>100mg/l	2

Glycolic acid

Endpoint	Test Duration (hr)	Species	Value	Source
EC50	48h	Crustacea	>100mg/l	2
EC50	72h	Algae or other aquatic plants	21.6mg/l	2
NOEC(ECx)	72h	Algae or other aquatic plants	10mg/l	2

2-phosphonobutane-1,2,4-
tricarboxylic acid

Endpoint	Test Duration (hr)	Species	Value	Source
LC50	96h	Fish	24.11mg/l	2
EC50	96h	Algae or other aquatic plants	7.71mg/l	2
EC50(ECx)	96h	Algae or other aquatic plants	7.71mg/l	2

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Bioaccumulation

Ingredient	Bioaccumulation
citric acid	LOW (LogKOW = -1.64)
glycolic acid	LOW (LogKOW = -1.11)
2-phosphonobutane-1,2,4- tricarboxylic acid	LOW (LogKOW = -1.66)

Mobility in soil

Ingredient	Mobility
citric acid	LOW (Log KOC = 10)
glycolic acid	HIGH (Log KOC = 1)
2-phosphonobutane-1,2,4- tricarboxylic acid	LOW (Log KOC = 846)

Soil

No information available.

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Terrestrial vertebrate	No information available.
Terrestrial invertebrate	No information available.
Biocidal	No information available.
Environmental Protection	Prevent this material entering waterways, drains and sewers.

13. Disposal Considerations

Disposal Requirements

Packages that have been in direct contact with the hazardous substance must be only disposed if the hazardous substance was appropriately removed and cleaned out from the package. The package must be disposed according to the manufacturer's directions taking into account the material it is made of. Packages which hazardous content have been appropriately treated and removed may be recycled.

Product/ Packaging Disposal

The hazardous substance must only be disposed if it has been treated by a method that changed the characteristics or composition of the substance and it is no longer hazardous.

- DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal.
- In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority.
- Recycle wherever possible.
- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
- Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).
- Decontaminate empty containers.

Contaminated packaging

- No data available

14. Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea

There are no specific restrictions for this product (not a dangerous good).

UN number:	NA	Proper shipping name:	NA
Class(es)	NA	Packing group:	NA
Precautions:	NA	Hazchem code:	NA

IMDG

UN number:	NA	Proper shipping name:	NA
Class(es)	NA	Packing group:	NA
Precautions:	NA	EmS:	NA

IATA

UN number:	NA	Proper shipping name:	NA
Class(es)	NA	Packing group:	NA
Precautions:	NA	ERG Guide	NA

15. Regulatory Information

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Safety, health and environmental regulations/ legislation for the substance or mixture

This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number	Group Standard
HSR002530	Cleaning Products Subsidiary Hazard Group Standard 2020

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit

Citric acid is found on the following regulatory lists

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals
 New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data
 New Zealand Inventory of Chemicals (NZIoC)

Glycolic acid is found on the following regulatory lists

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals
 New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data
 New Zealand Inventory of Chemicals (NZIoC)

2-phosphonobutane-1,2,4-tricarboxylic acid is found on the following regulatory lists

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals
 New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data
 New Zealand Inventory of Chemicals (NZIoC)

Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Gas (aggregate water capacity in mL)	Liquid (L)	Solid (kg)	Maximum quantity per package for each classification
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

National Inventory Status

National Inventory	Status
Australia - AIIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (isopropanol; didecyltrimethylammonium chloride; hydrocarbon propellant)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	All chemical substances in this product have been designated as TSCA Inventory 'Active'
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

16. Other Information

References

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The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC-TWA	Permissible Concentration-Time Weighted Average
PC-STEL	Permissible Concentration-Short Term Exposure Limit
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Governmental Industrial Hygienists
STEL	Short Term Exposure Limit
TEEL	Temporary Emergency Exposure Limit
IDLH	Immediately Dangerous to Life or Health Concentrations
ES	Exposure Standard
OSF	Odour Safety Factor
NOAEL	No Observed Adverse Effect Level
LOAEL	Lowest Observed Adverse Effect Level
TLV	Threshold Limit Value
LOD	Limit Of Detection
OTV	Odour Threshold Value
BCF	BioConcentration Factors
BEI	Biological Exposure Index
DNEL	Derived No-Effect Level
PNEC	Predicted no-effect concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
IMSBC	International Maritime Solid Bulk Cargoes Code
IGC	International Gas Carrier Code
IBC	International Bulk Chemical Code
AIIC	Australian Inventory of Industrial Chemicals
DSL	Domestic Substances List
NDSL	Non-Domestic Substances List
IECSC	Inventory of Existing Chemical Substance in China
EINECS	European INventory of Existing Commercial chemical Substances
ELINCS	European List of Notified Chemical Substances
NLP	No-Longer Polymers
ENCS	Existing and New Chemical Substances Inventory
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances
TSCA	Toxic Substances Control Act
TCSI	Taiwan Chemical Substance Inventory
INSQ	Inventario Nacional de Sustancias Químicas
NCI	National Chemical Inventory
FBEPH	Russian Register of Potentially Hazardous Chemical and Biological Substances

Review

Date	Reason for review
1 April 2025	Phone number updated

Disclaimer

This SDS was prepared by INTEGRA INDUSTRIES LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely GHS 7 classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). This SDS is copyright INTEGRA INDUSTRIES LTD and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email sales@integraindustries.co.nz or phone: +64 3 455 6805.