

PRODUCT SERUM TG	PRODUCT CODE 5-671	REVISION DATE 15 August 2026
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HAZARDOUS CHEMICAL according to the criteria of the Work Health and Safety Regulations (GHS Revision 7). **NOT**
DANGEROUS GOODS according to the ADG Code.

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier	SERUM TG
Other means of identification	Product code 5-671 (5-671-04 case of 4 x 3.785 L; 5-671-05 18.9 L pail). Acid detergent (tile, grout and concrete cleaner).
Recommended use	Heavy duty acidic cleaner for tile, grout and concrete for professional use.
Restrictions on use	Do not mix with alkaline chemicals or chlorine based products.
Australian supplier (importer)	Restoration Innovations Pty Ltd 3/22 Industry Drive, Tweed Heads South NSW 2486, Australia Telephone: (07) 5520 2315 (business hours)
Manufacturer	Serum Products, LLC 1355 West Oak Commons Lane, Unit B, Marietta GA 30062, United States of America Telephone: +1 678 290 1880
Emergency telephone number	Poisons Information Centre 13 11 26 (24 hours, Australia wide). Restoration Innovations (07) 5520 2315 (business hours).

SECTION 2 HAZARDS IDENTIFICATION

Classification of the hazardous chemical	Skin Corrosion / Irritation - Category 1 (H314) Serious Eye Damage / Eye Irritation - Category 1 (H318)
Dangerous goods classification	Not classified as Dangerous Goods by the manufacturer (see Section 14).

Label elements

 GHS05 Corrosion	Signal word: DANGER Hazard statements H314 Causes severe skin burns and eye damage.
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Precautionary statements - Prevention

- P260 Do not breathe mist or spray.
- P264 Wash hands and exposed skin thoroughly after handling.
- P280 Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statements - Response

- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- 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.
- P310 Immediately call a POISON CENTER or doctor.
- P363 Wash contaminated clothing before reuse.

Precautionary statements - Storage

- P405 Store locked up.

Precautionary statements - Disposal

- P501 Dispose of contents and container in accordance with local, state and federal regulations.

Other hazards which do not result in classification	Strongly acidic (pH 1.0). Acid mist generated during spraying irritates the eyes and respiratory tract. May corrode metals.
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SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	CAS number	Proportion (% w/w)
Acid salt blend	Proprietary mixture	13 - 18
Dipropylene glycol monomethyl ether	34590-94-8	1 - 3
Alcohols, C9-11, ethoxylated (ethoxylated alcohol surfactant)	68439-46-3	1 - 3
Water	7732-18-5	Balance to 100 (approximately 79)

Ingredients determined not to be hazardous, or present below the cut off concentrations for disclosure, are not listed. Proportions are as stated by the manufacturer.

SECTION 4 FIRST AID MEASURES

General	If exposed or concerned, contact the Poisons Information Centre on 13 11 26 or a doctor. Show this Safety Data Sheet to medical personnel.
Inhalation	Remove the person to fresh air. If irritation or shortness of breath persists, seek medical attention.
Skin contact	Remove contaminated clothing. Flush the affected skin with plenty of running water for at least 15 minutes, then wash with soap and water. Seek medical attention if irritation or burning persists.
Eye contact	Hold the eyelids apart and flush the eye continuously with running water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention immediately.
Ingestion	Do NOT induce vomiting. Rinse the mouth. Give plenty of water to drink to dilute the product. Seek medical attention immediately.
Most important symptoms and effects, acute and delayed	Eyes: pain, irritation, swelling, blurred vision and risk of permanent damage. Skin: irritation and burns with prolonged contact. Inhalation of mist: irritation of the nose, throat and airways, shortness of breath. Ingestion: burning of the mouth, oesophagus and stomach lining; gastrointestinal distress; harmful or fatal if swallowed in large amounts.
Medical attention and special treatment	Manufacturer advice: treat ingestion as for hydrochloric acid ingestion. Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing media appropriate to the surrounding fire (water spray, foam, dry chemical).
Unsuitable extinguishing media	Carbon dioxide (manufacturer advice).

Specific hazards arising from the chemical	Not flammable. Contact with metals may release flammable hydrogen gas.
Special protective equipment and precautions for fire fighters	Wear self contained breathing apparatus and full protective clothing.
Hazchem code	Not applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear chemical splash goggles, chemical resistant gloves and protective clothing. Avoid contact with skin and eyes and avoid breathing mist.
Environmental precautions	Keep out of drains, waterways, creeks, lakes, ponds, tributaries and oceans.
Methods and materials for containment and cleaning up	Contain and absorb with inert material or recover with a wet vacuum. Collect into labelled containers. Neutralise residues carefully with a mild alkaline material (such as sodium bicarbonate) to pH 7 before disposal in accordance with Section 13. Flush the area with water.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes and skin. Avoid breathing mist. Wear chemical resistant gloves and eye protection when handling the concentrate. Do not mix with alkaline or chlorine based products. Wash hands after handling.
Conditions for safe storage, including any incompatibilities	Store in the original container, tightly closed, in a cool, dry area out of direct sunlight, away from combustible materials and alkaline chemicals. Store below 37°C. Store in accordance with AS 3780 The storage and handling of corrosive substances. Do not reuse empty containers.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace exposure standards (Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, November 2025)

Ingredient	CAS number	TWA (8 hour)	STEL / Peak	Notation
Dipropylene glycol monomethyl ether	34590-94-8	50 ppm (308 mg/m ³)	Not established	Sk (skin absorption)

TWA: time weighted average over an eight hour working day. STEL: short term exposure limit (15 minutes). Peak limitation: not to be exceeded at any time. Sk: absorption through the skin may be a significant source of exposure.

Biological monitoring	No biological exposure standards are established for the ingredients.
Appropriate engineering controls	Provide general ventilation sufficient to minimise aerosolised droplets of the cleaner. Eyewash facilities should be available in the immediate work area.
Eye and face protection	Chemical splash goggles complying with AS/NZS 1337.1.
Skin and body protection	Chemical resistant gloves (nitrile, neoprene or PVC) complying with AS/NZS 2161.10.1. Protective clothing to prevent skin contact with the concentrate.
Respiratory protection	Not normally required with adequate ventilation. Where mist is generated in poorly ventilated areas, use a half face respirator with acid gas / P2 filters (AS/NZS 1716).

Hygiene measures	Wash hands before eating, drinking, smoking or using the toilet and at the end of the work period. Remove contaminated clothing and wash before reuse. Do not eat, drink or smoke in the work area.
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	Light brown liquid
Odour	Characteristic acidic odour
Odour threshold	Not determined
pH	1.0 (neat); 2.0 (1 % solution)
Melting / freezing point	0°C
Boiling point / range	100°C
Flash point	Not applicable (non flammable)
Evaporation rate	> 1 (water = 1)
Flammability	Non flammable
Upper / lower flammability or explosive limits	Not applicable
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Specific gravity 1.070 (water = 1)
Solubility in water	Completely miscible with water
Partition coefficient n-octanol/water	Not determined
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined
Viscosity	1 (manufacturer value; unit not stated)
Other information	Solids 16.3 %; VOC 0.0

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Strongly acidic. Reacts with alkalis and may react with metals.
Chemical stability	Stable under the recommended storage conditions.
Possibility of hazardous reactions	Exothermic reaction with strong alkaline materials.
Conditions to avoid	Heat above 52°C.
Incompatible materials	Strong alkaline materials, chlorine based products (may release chlorine gas), reactive metals.
Hazardous decomposition products	None known under normal conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure	Skin contact, eye contact, inhalation of mist, ingestion.
Acute toxicity data	Dipropylene glycol monomethyl ether (manufacturer data): Oral LD50: 5500 mg/kg Product: No data available.
Skin corrosion / irritation	Corrosive (DERIVED: product pH of 1.0 is below the GHS threshold of 2 and no acid/alkali reserve data are available to exclude corrosivity). The manufacturer reports no skin reaction anticipated from incidental contact.
Serious eye damage / irritation	Causes serious eye damage. Tissue irritation, swelling, blurred vision and risk of blindness.
Inhalation	Mist causes tissue irritation and shortness of breath.
Ingestion	Causes burning of the mouth, oesophagus and stomach lining. Harmful or fatal if swallowed in large amounts.
Respiratory or skin sensitisation	No data available.
Chronic effects (carcinogenicity, mutagenicity, reproductive toxicity, STOT, aspiration)	No data available.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	No product specific data. Acidic; may lower the pH of receiving waters.
Persistence and degradability	Surfactant and glycol ether components are expected to be biodegradable.
Bioaccumulative potential	Not expected to bioaccumulate.
Mobility in soil	Completely miscible with water.
Other adverse effects	Keep out of rivers, creeks and tributaries.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods and precautions	Neutralise carefully with a mild alkaline material to pH 7 and dispose of to the sanitary sewer where permitted by the local water authority, or dispose of in accordance with local, state and federal regulations. Do not reuse empty containers.
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SECTION 14 TRANSPORT INFORMATION

	Road and rail (ADG Code)	Sea (IMDG Code)	Air (IATA DGR)
UN number	Not applicable	Not applicable	Not applicable
Proper shipping name	Not classified as dangerous goods by the manufacturer	Not classified as dangerous goods by the manufacturer	Not classified as dangerous goods by the manufacturer
Transport hazard class	Not applicable	Not applicable	Not applicable
Subsidiary risk	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable
Hazchem code	Not applicable	-	-
Environmental hazards	Not a marine pollutant	Not a marine pollutant	Not a marine pollutant

Label(s) required	None
Special precautions for user	The manufacturer states the product is not regulated for transport. Note that the product has a pH of 1.0 and is classified as skin corrosive in Section 2 on the basis of pH; under the ADG Code, Class 8 assignment for mixtures is determined by skin corrosion test data. In the absence of such data from the manufacturer, consignors may elect to transport the product as UN3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. or UN3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (as applicable to the acid salt blend), Class 8, PG III, Hazchem 2X.
Transport in bulk (IMO instruments)	Not applicable. Not transported in bulk.

SECTION 15 REGULATORY INFORMATION

Poisons Schedule (SUSMP)	Not scheduled on the identified ingredients (dipropylene glycol monomethyl ether is an Appendix B exempt substance; the ethoxylated alcohol surfactant is not listed). The proprietary acid salt blend has not been disclosed by the manufacturer and has therefore not been assessed against the Poisons Standard.
Australian Inventory of Industrial Chemicals (AIIC)	The identified ingredients are listed on the AIIC. The acid salt blend is a proprietary mixture; its AIIC status is the manufacturer's representation.
Other regulatory information	Hazardous chemical under the Work Health and Safety Regulations. Corrosive substance: storage and handling in accordance with AS 3780.

SECTION 16 OTHER INFORMATION

Date of issue / revision	15 August 2026 (Version 2.0)
Supersedes	Restoration Innovations SDS dated 18 June 2023
Basis of preparation	Prepared by Restoration Innovations Pty Ltd as Australian importer from the manufacturer's Safety Data Sheet (Serum Products, LLC, revised 7 July 2021), with hazard classification determined under GHS Revision 7 as adopted by the Work Health and Safety Regulations, using the harmonised classifications and specific concentration limits of the ingredients, the manufacturer's stated composition and physical data (including product pH), and the Safe Work Australia Workplace Exposure Standards for Airborne Contaminants (November 2025). Transport information is given under the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
Key to abbreviations	ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. AIIC: Australian Inventory of Industrial Chemicals. ATE: acute toxicity estimate. CAS: Chemical Abstracts Service registry number. EC50/LC50/LD50: median effective / lethal concentration / dose. GHS: Globally Harmonized System of Classification and Labelling of Chemicals. IATA DGR: International Air Transport Association Dangerous Goods Regulations. IMDG Code: International Maritime Dangerous Goods Code. PG: packing group. STEL: short term exposure limit. STOT: specific target organ toxicity. SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Poisons Standard). TWA: time weighted average. WHS: work health and safety.



References	Work Health and Safety Regulations (Commonwealth and harmonised jurisdictions). Safe Work Australia, Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (November 2025). Australian Dangerous Goods Code, Edition 7.9. Standard for the Uniform Scheduling of Medicines and Poisons (current edition). AS-IICRC S520 Standard for Professional Mold Remediation. AS 3780 The storage and handling of corrosive substances. AS 4326 The storage and handling of oxidizing agents. Manufacturer's Safety Data Sheet, Serum Products, LLC.
Training advice	Users should be trained in the safe handling of hazardous chemicals and in the specific application methods for this product, including the personal protective equipment and engineering controls described in Section 8. Restoration technicians should hold appropriate IICRC certification for the work being undertaken.

This Safety Data Sheet has been prepared by Restoration Innovations Pty Ltd in good faith from information provided by the manufacturer and from published sources believed to be accurate at the date of issue. It is intended as a guide to the safe handling, storage, transport and disposal of the product and should not be taken as a specification or a guarantee of properties. Users must satisfy themselves that the product is suitable for their intended use and must comply with all applicable legislation. Restoration Innovations Pty Ltd accepts no liability for any loss, injury or damage arising from reliance on this document, to the extent permitted by law. This SDS should be reviewed at least every five years or earlier if new information becomes available.

End of Safety Data Sheet