

SAFETY DATA SHEET

SECTION 1: Identification of Substance / Mixture

Product Name	Prontosan Wound Gel / Prontosan Wound Gel X
Other means of identification	Not Available
Intended Use	For cleansing, decolonization and moisturizing of acute/chronic skin wounds and burns.
CAS Number	Unknown
New Zealand Distributor	INTERMED MEDICAL LIMITED
Physical Address	71 Apollo Drive, Albany, Auckland 0632, New Zealand
Postal Address	PO Box 33268, Takapuna, Auckland 0740, New Zealand
Phone Number	(09) 415 4800
Website	www.intermed.co.nz
Email	QA@intermed.co.nz
Emergency Phone Number	(09) 415 4800
Manufacturer	B. Braun Australia Pty Ltd Level 5, 7-9 Irvine Place, Bella Vista, NSW 2153

SECTION 2: Hazard Identification

Classification of the Substance or Mixture

Not considered a Hazardous Substance according to criteria of the New Zealand Hazardous Substances New Organisms legislation.

Not regulated for transport of dangerous goods.

Classification	Not Applicable
Determined using GHS/HSNO criteria	Not Applicable

Label Elements

Hazard Pictogram	Not Applicable
Signal Word	Not Applicable

Hazard Statements

H412	Harmful to aquatic life with long lasting effects.
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Precautionary Statement(s) Prevention

P102	Keep out of reach of children.
P262	Do not get in eyes, on skin, or on clothing.
P273	Avoid release to the environment.

P281	Use personal protective equipment as required.
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Precautionary Statement(s) Response

P353	Rinse skin or shower with water.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P370+P378	Not combustible. Use extinguishing media suited to burning materials.

Precautionary Statement(s) Storage

P402+P404	Store in a dry place. Store in a closed container.
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Precautionary Statement(s) Disposal

P501	Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.
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SECTION 3: Composition

Substances

Not Applicable

Mixtures

Ingredient	CAS no.	Content (% weight)
Polyhexamethylene biguanide hydrochloride	27083-27-8	0.1-<0.25%
Other non-hazardous ingredients	Trade secret	To 100

SECTION 4: First Aid Measures

NZ Poison Centre: 0800 Poison (0800 764 766)

NZ Emergency Services: 111

Description of first aid measures

Inhalation	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Skin contact	Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
Eye contact	No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
Ingestion	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

SECTION 5: Firefighting Measures

Extinguishing media

Not combustible. Use extinguishing media suited to burning materials.

Special hazards arising from the substance or mixture

Not Applicable

Advice for firefighters

Firefighting	If a significant quantity of this product is involved in a fire, call the fire brigade.
Fire/Explosion Hazard	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Fire decomposition products from this product are not expected to be hazardous or harmful.

SECTION 6: Accidental Release Measures

This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

SECTION 7: Handling and Storage

Precautions for safe handling

Safe handling	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
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Conditions for safe storage, including any incompatibilities

Suitable container	Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.
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SECTION 8: Exposure Controls

Control Parameters

Occupational Exposure Limits (OEL)

Not Available

Emergency Limits

Ingredient	Original IDLH	Revised IDLH
Polyhexamethylene biguanide hydrochloride	Not Available	Not Available
Other	Not Available	Not Available

Exposure Controls and Personal Protection

Appropriate engineering controls	No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.
Personal protection	There is no specific recommendation for any particular protective material type.
Eye and face protection	Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.
Skin protection	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Colourless to yellow liquid.		
Physical state	Liquid	Relative Density	Not Available
Odour	Odourless	Partition coefficient n-octanol / water	Not Available
Odour Threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH as supplied	About 6.0	Decomposition temperature	Not Available
Melting point / freezing point (°C)	No specific data. Gel at normal temperatures.	Viscosity (cSt)	About 2000 mPa·s (Wound Gel) / approx. 15000 mPa·s (Wound Gel X)
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	As for water	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (% vol)	Not Available
Vapour pressure (kPa)	2.37 kPa at 20°C (water vapour pressure).	Gas group	Not Available
Solubility in water (g/L)	Completely soluble in water.	pH as a solution (1%)	Not Available
Vapour Density (Air=1)	Not Available	VOC g/L	Not Available

Section 10: Stability and Reactivity

Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to avoid	Keep containers tightly closed.
Incompatible materials	No particular Incompatibilities.
Polymerisation	This product will not undergo polymerisation reactions.
Fire Decomposition	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form hydrogen chloride gas, other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

SECTION 11: Toxicological Information

Information of toxicological effects

Ingestion	<p>Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.</p> <p>Long Term Exposure: No data for health effects associated with long term ingestion.</p>
Skin Contact	<p>Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.</p> <p>Long Term Exposure: No data for health effects associated with long term skin exposure.</p>
Eye	<p>Short Term Exposure: This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed.</p> <p>Long Term Exposure: No data for health effects associated with long term eye exposure.</p>
Inhalation	<p>Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.</p> <p>Long Term Exposure: No data for health effects associated with long term inhalation.</p>

	Toxicity	Irritation
Polyhexamethylene biguanide hydrochloride	Oral (rat) LD50: >2000mg/kg	Unknown

Acute toxicity	x	Carcinogenicity	x
Skin irritation/corrosion	x	Toxicity of reproduction	x
Serious eye damage/irritation	x	STOT – Single exposure	x
Respiratory or skin sensitisation	x	STOT – Repeated exposure	x
Mutagenicity	x	Aspiration hazard	x

SECTION 12: Ecological Information

Harmful to aquatic organisms, may cause long-term adverse effects to the aquatic environment. This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

SECTION 13: Disposal Consideration

Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

SECTION 14: Transport Information

Labels Required

Marine Pollutant	No
HAZCHEM	Not Applicable

Land transport (UN): Not regulated transport of dangerous goods

Air transport (ICAO-IATA / DGR): Not regulated for transport of dangerous goods

Sea transport (IMDG-Code / GGVSee): Not regulated for transport of dangerous goods

Transport in bulk according to Annex II of MARPOL and the IBC code: Not Applicable

SECTION 15: Regulatory Information

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

Applicable Group Standard	Not Applicable
HSNO Approval Code	Not Applicable
HSNO Classification	Not Applicable
Location Test Certificate	Not Applicable
Approved Handler	Not Applicable
Tracking Requirements	Not Applicable

Substance / Mixture /Ingredient found on the following lists:

Polyhexamethylene biguanide hydrochloride	New Zealand Inventory of Chemicals (NZIoC)
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