

## Safety Data Sheet

according to WHS Regulations

Printing date 13.10.2021

Revision: 13.10.2021

### 1 Identification

**Product Name: PTSAN 5 Sanitiser (BIO)**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:**  
Sanitation of food contact surfaces and water treatment.

**Details of Manufacturer or Importer:**

DASCO Pty Ltd  
24 - 26 Helen Street  
Heidelberg Heights VIC 3081

**Phone Number:** 03 9459 7004

**Emergency telephone number:** National Poisons Information Centre: 13 11 26

### 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Flame over circle

Oxidising Liquids 2

H272 May intensify fire; oxidizer.



Corrosion

Skin Corrosion/Irritation 1A

H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1

H318 Causes serious eye damage.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

STOT SE 3

H335 May cause respiratory irritation.

Aquatic Acute 2

H401 Toxic to aquatic life.

**Signal Word** Danger

**Hazard Statements**

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H401 Toxic to aquatic life.

**Precautionary Statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.

P260 Do not breathe dusts or mists.

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P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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 [or shower].
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/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use CO <sub>2</sub> , powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

### 3 Composition and Information on Ingredients

#### Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Hazardous Components:

CAS: 7722-84-1	Hydrogen peroxide solution	<30%
	☠ Oxidising Liquids 1, H271; ☠ Skin Corrosion/Irritation 1A, H314; ☠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332; STOT SE 3, H335	
CAS: 64-19-7	Acetic acid	10-20%
	☠ Flammable Liquids 3, H226; ☠ Skin Corrosion/Irritation 1A, H314	
CAS: 79-21-0	peracetic acid	1-5%
	☠ Flammable Liquids 3, H226; Organic Peroxides D, H242; ☠ Skin Corrosion/Irritation 1A, H314; ☠ Aquatic Acute 1, H400; ☠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332	

### 4 First Aid Measures

#### General Information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

#### Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek immediate medical attention.

#### Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

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**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

**Inhalation:** May cause respiratory irritation. Symptoms include headache, dizziness, vomiting, diarrhoea, irritability, sleeplessness, fluid in the lungs, extreme irritation of the nose, chest, larynx, and bronchi, discomfort, shortness of breath, inflammation of the nose and throat, tremors, numbness of the limbs, chemical pneumonitis, pulmonary oedema, convulsions, coma, and shock.

**Skin Contact:** Causes severe skin damage. Symptoms include bleaching, blistering, reddening, and corrosion. Entry into the blood-stream may produce systemic injury with harmful effects.

**Eye Contact:** Causes serious eye damage. Symptoms include corneal ulceration even days after exposure.

**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Symptoms include severe chemical burns within the oral cavity and gastrointestinal tract, blistering and bleeding from the throat and stomach, hyper-distension of the stomach and gut, internal bleeding, mouth and throat burns and rupture of the gut, fever, foaming at the mouth, chest and stomach pain, loss of consciousness, movement disorders, cessation of breath, dizziness, headache, tremors, weakness or numbness in the extremities, convulsions, and death.

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Fight smaller fires use flooding quantities of water. Do NOT use dry chemical, carbon dioxide, foam, or halogenated-type extinguisher. Fight larger fires by flooding the area with water from a protected position. Chemical extinguishing agents may accelerate decomposition.

**Specific Hazards Arising from the Chemical:**

Hazardous decomposition products include oxides of carbon and oxygen.

Product does not burn but may support combustion.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: 2P

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a container with a vented lid, a properly passivated aluminium container, or a properly passivated stainless steel container. Rinse away any residue with large quantities of water. Never return spilled product into its original container for re-use.

## 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be

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stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from oxidising agents, reducing agents, strong bases, and organic material. Stable when stored in sealed containers at or below 25° C. A vented cap is to be on the container at all times. Protect from physical damage

### 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 7722-84-1 Hydrogen peroxide solution**WES TWA: 1.4 mg/m<sup>3</sup>, 1 ppm**CAS: 64-19-7 Acetic acid**WES STEL: 37 mg/m<sup>3</sup>, 15 ppm  
TWA: 25 mg/m<sup>3</sup>, 10 ppm**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

**Respiratory Protection:**

Use a Type A vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Elbow length PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing including overalls, PVC apron, or a PVC protective suit (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear, colourless
<b>Odour:</b>	Sharp
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	1.0
<b>Melting point/freezing point:</b>	-30 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Substance does not burn but may support combustion.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available

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<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	No information available
<b>Relative Density:</b>	1.13
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:**

Stable when stored in sealed containers at or below 25° C. A vented cap is to be on the container at all times. Contamination or heat could initiate decomposition.

**Conditions to Avoid:** Heat, sparks, open flames and other sources of ignition.

**Incompatible Materials:** Oxidising agents, reducing agents, strong bases, and organic material.

**Hazardous Decomposition Products:** Oxides of carbon and oxygen.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values Relevant for Classification:**

**CAS: 7722-84-1 Hydrogen peroxide solution**

Oral	LD50	2,000 mg/kg (mouse)
Dermal	LD50	1,200 mg/kg (mouse)
Inhalation	L50/4 h	2,000 mg/m <sup>3</sup> (rat)
	LD50	880 mg/kg (mouse) (Intraperitoneal)
		620 mg/kg (rat) (Subcutaneous)
		15,000 mg/kg (rabbit) (Intravenous)

**CAS: 64-19-7 Acetic acid**

Oral	LD50	3,310 mg/kg (rat)
Dermal	LD50	1,060 mg/kg (rabbit)

**CAS: 79-21-0 peracetic acid**

Oral	LD50	5.8 mg/kg (rat)
Dermal	LD50	>3 mg/kg (rat)
Inhalation	LC50/4 h	0.075-0.35 mg/l (rat)

**Acute Health Effects**

**Inhalation:**

May cause respiratory irritation. Symptoms include headache, dizziness, vomiting, diarrhoea, irritability, sleeplessness, fluid in the lungs, extreme irritation of the nose, chest, larynx, and bronchi, discomfort, shortness of breath, inflammation of the nose and throat, tremors, numbness of the limbs, chemical pneumonitis, pulmonary oedema, convulsions, coma, and shock.

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**Skin:**

Causes severe skin damage. Symptoms include bleaching, blistering, reddening, and corrosion. Entry into the blood-stream may produce systemic injury with harmful effects.

**Eye:** Causes serious eye damage. Symptoms include corneal ulceration even days after exposure.

**Ingestion:**

May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Symptoms include severe chemical burns within the oral cavity and gastrointestinal tract, blistering and bleeding from the throat and stomach, hyper-distension of the stomach and gut, internal bleeding, mouth and throat burns and rupture of the gut, fever, foaming at the mouth, chest and stomach pain, loss of consciousness, movement disorders, cessation of breath, dizziness, headache, tremors, weakness or numbness in the extremities, convulsions, and death.

**Skin Corrosion / Irritation:** Causes severe skin burns.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:**

Hydrogen Peroxide is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:**

Long-term exposure may result in airway diseases, involving difficulty breathing and whole-body problems. Substance accumulation may occur. Repeated or prolonged exposure may result in the erosion of teeth, swelling and/or ulceration of mouth lining, irritation of airway to lung, cough, and inflammation of lung tissue.

**Existing Conditions Aggravated by Exposure:** No data available.

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**CAS: 7722-84-1 Hydrogen peroxide solution**

EC50/48 h	2 mg/l (crustacea)
EC50/72 h	0.69 mg/l (algae)
EC50/96 h	2.27 mg/l (algae)
LC50/96 h	16.4 mg/l (fish)

**CAS: 64-19-7 Acetic acid**

EC50/24 h	47 mg/l (daphnia)
EC50/48 h	65 mg/l (daphnia)
EC50/15 minutes	8.8 mg/l (bacterial)
LC50/96 h	75 mg/l (bluegill)
	79 mg/l (fathead minnow)

**CAS: 79-21-0 peracetic acid**

IC50/96 h	0.078 mg/l (fish)
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EC50/48 h	3.3 mg/l (crustacea)
EC50/72 h	0.035-0.35 mg/l (algae)
EC50/96 h	9.36-12.48 mg/l (algae)

**Persistence and Degradability:** Biodegradable**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

<b>UN Number</b> ADG, IMDG, IATA	UN3149
<b>Proper Shipping Name</b> ADG, IMDG, IATA	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILISED
<b>Dangerous Goods Class</b> ADG Class:	5.1 Oxidising substances.
<b>Subsidiary Risk:</b> IMDG Class:	8 Corrosive substances.
<b>Packing Group:</b> ADG, IMDG, IATA	II
<b>Marine pollutant:</b>	
<b>EMS Number:</b>	F-H,S-Q
<b>Hazchem Code:</b>	2P
<b>Special Provisions:</b>	196
<b>Transport/Additional information:</b>	For UN No 3149, the packaging must be vented. For UN No 3149, IBCs must be provided with a device to allow venting during transport. The inlet to the venting device must be sited in the vapour space of the IBC under maximum filling conditions during transport.
<b>Limited Quantities:</b>	1L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P504, IBC02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP10, B5
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T7
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP2, TP6, TP24

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### 15 Regulatory Information

#### Australian Inventory of Industrial Chemicals:

All ingredients are listed.

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

### 16 Other Information

**Date of Preparation or Last Revision:** 13.10.2021**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)

#### Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 3: Flammable liquids – Category 3

Oxidising Liquids 1: Oxidising liquids, Hazard Category 1

Oxidising Liquids 2: Oxidising liquids, Hazard Category 2

Organic Peroxides D: Organic peroxides, Type C/D

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

#### Data altered compared to the previous version:

Section 1: Product Name, Other Name; Section 2: Hazardous Nature; Section 3: Hazardous Components; Section 4: Inhalation, Eye Contact, Symptoms Caused by Exposure (Inhalation, Skin Contact, Eye Contact, Ingestion); Section 5: Suitable Extinguishing Media, Specific Hazards Arising from the Chemical; Section 6: Methods and Materials for Containment and Cleaning Up; Section 8: Engineering Controls, Respiratory Protection, Skin Protection; Section 9: Odour, pH-Value, Initial Boiling Point/Boiling Range, Flash Point, Decomposition Temperature, Explosion Limits (Lower, Upper), Vapour Pressure, Density, Vapour Density, Evaporation Rate, Solubility in Water, Partition Coefficient (n-octanol/water), Metal Corrosivity; Section 10: Incompatible Materials; Section 11: Acute Health Effects (Inhalation, Skin, Eye, Ingestion), Carcinogenicity, Chronic Health Effects; Section 12: Persistence and Degradability, Bioaccumulative Potential; Section 14: IATA, Transport/Additional Information.

#### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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