

Safety Data Sheet

according to WHS Regulations

Date of issue: 06.12.2024

Revision date: 02.12.2024

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).



GHS05 Corrosion

Skin corrosion/irritation – Category 1A H314 Causes severe skin burns and eye damage.

Eye damage/irritation – Category 1 H318 Causes serious eye damage.



GHS07

Acute toxicity - oral – Category 4 H302 Harmful if swallowed.

Acute toxicity - inhalation – Category 4 H332 Harmful if inhaled.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H401 Toxic to aquatic life.

Precautionary Statements

P260 Do not breathe dusts or mists.

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 eye protection / face protection.

P280 Wear protective gloves/protective clothing/eye protection/face 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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international 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 ⚠ Oxidising liquids - Category 1, H271; ⚠ Skin corrosion/irritation – Category 1A, H314; ⚠ Acute toxicity - oral – Category 4, H302; Acute toxicity - inhalation – Category 4, H332; Specific target organ toxicity (single exposure) – Category 3, H335	<30%
CAS: 64-19-7	Acetic acid ⚠ Flammable liquids – Category 3, H226; ⚠ Skin corrosion/irritation – Category 1A, H314	10-20%
CAS: 79-21-0	Peracetic acid ⚠ Flammable liquids – Category 3, H226; Self-reactive substances and mixtures – Type C, H242; Organic peroxides – Type D, H242; ⚠ Skin corrosion/irritation – Category 1A, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute toxicity - oral – Category 4, H302; Acute toxicity - dermal – Category 4, H312; Acute toxicity - inhalation – Category 4, H332	1-5%

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

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 with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

Ingestion:

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

Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes serious eye damage.

Ingestion: Harmful if swallowed. Causes burns to the mouth, nose, throat and oesophagus. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

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.

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Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Product is not flammable.

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 or mists.

Environmental Precautions:

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

Inform respective authorities in case of seepage into water course or sewage system.

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 or mists.

Food, beverages and tobacco products should not be 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 at or below 25 °C. Keep container tightly closed when not in use with a vented cap. Keep away from oxidising agents, reducing agents, strong bases, and organic material.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 7722-84-1 Hydrogen peroxide**WES TWA: 1.4 mg/m³, 1 ppm**CAS: 64-19-7 Acetic acid**WES STEL: 37 mg/m³, 15 ppmTWA: 25 mg/m³, 10 ppm**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

Respiratory Protection:

Use an approved vapour respirator (filter type ABE or SA) 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.

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Skin Protection:

Chemical-resistant 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 (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:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Sharp
Odour Threshold:	No information available
pH-Value:	~1
Melting point/freezing point:	-30 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability	Not applicable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	~1.13
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Temperatures above 25 °C.

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

Hazardous Decomposition Products: Oxides of carbon.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 7722-84-1 Hydrogen peroxide**

	LD50	880 mg/kg (microorganisms) (Intraperitoneal)
		620 mg/kg (Rattus norvegicus (rat)) (Subcutaneous)
		15,000 mg/kg (Oryctolagus cuniculus (rabbit)) (Intravenous)

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CAS: 64-19-7 Acetic acid		
Oral	LD50	3,310 mg/kg (Rattus norvegicus (rat))
	LD50	1,060 mg/kg (Oryctolagus cuniculus (rabbit))
Inhalation	LC50/4 h	16 mg/l (Rattus norvegicus (rat))
CAS: 79-21-0 Peracetic acid		
Oral	LD50	5.8 mg/kg (Rattus norvegicus (rat))
	LD50	>3 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	0.075-0.35 mg/l (Rattus norvegicus (rat))

Acute Health Effects**Inhalation:** Harmful if inhaled. May cause respiratory irritation.**Skin:** Causes severe skin burns.**Eye:** Causes serious eye damage.**Ingestion:**

Harmful if swallowed. Causes burns to the mouth, nose, throat and oesophagus. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

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:**

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

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:**

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

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:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** No data available.**12 Ecological Information****Ecotoxicity:****Aquatic toxicity:**

Toxic to aquatic life.

CAS: 7722-84-1 Hydrogen peroxide	
LC50/96 h	16.4 mg/l (Pimephales promelas (fathead minnow))
LC50/48 h	2.4 mg/l (Daphnia magna (water flea))
CAS: 64-19-7 Acetic acid	
EC50/24 h	47 mg/l (Daphnia magna (water flea))
EC50/48 h	65 mg/l (Daphnia magna (water flea))
EC50/15 minutes	8.8 mg/l (bacterial)
LC50/96 h	75 mg/l (Lepomis macrochirus (bluegill))
	79 mg/l (Pimephales promelas (fathead minnow))

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CAS: 79-21-0 Peracetic acid	
IC50/96 h	0.078 mg/l (fish)
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: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**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

UN Number	UN3149
ADG, IMDG, IATA	
Proper Shipping Name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
ADG, IMDG, IATA	
Dangerous Goods Class	
ADG Class:	5.1
Packing Group:	
ADG, IMDG, IATA	II
EMS Number:	F-H,S-Q
Hazchem Code:	2P
Special Provisions:	196
Transport/Additional information:	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
Excepted quantities (EQ):	E2
Limited Quantities:	1 L
Packagings & IBCs - Packing Instruction:	P504, IBC02
Packagings & IBCs - Special Packing Provisions:	PP10, B5
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers - Special Provisions:	TP2, TP6, TP24

15 Regulatory Information

Australian Inventory of Industrial Chemicals: All ingredients are listed.

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 02.12.2024**Prepared by:** MSDS.COM.AU Pty Ltdwww.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 – Category 3: Flammable liquids – Category 3

Self-reactive substances and mixtures – Type C: Self-reactive substances and mixtures, Type C/D

Oxidising liquids - Category 1: Oxidising liquids, Hazard Category 1

Organic peroxides – Type D: Organic peroxides, Type C/D

Acute toxicity - oral – Category 4: Acute toxicity – Category 4

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

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

Specific target organ toxicity (single exposure) – Category 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

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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