Section 1: Identification of the Material and Supplier

Product Name: **Sanitec**

Other Names: Dilute, aqueous solution of a quaternary ammonium compound.

Proper shipping name (ADG Code): None assigned.

Recommended use: As a non-rinse sanitiser for food preparation surfaces.
Dilute and use as directed on the product label.

Supplier: **Hunters Products (TAS) Pty. Ltd.,**
A.C.N. 004 601 263

HEAD OFFICE	**HOBART OFFICE**	**BURNIE OFFICE**
60 Gleadow Street,	105 Albert Road,	22 Pearl Street,
INVERMAY TAS 7248	MOONAH TAS 7009	WIVENHOE TAS 7320
Tel: 03 6331 4755	Tel: 03 6228 7955	Tel: 03 6431 9627
Fax: 03 6334 1065	Fax: 03 6228 7988	Fax: 03 6432 2083

Emergency Phone Numbers:

Transport/Fire Emergency:	**000**	(Emergency services)
Medical Emergency:	**131126**	(Poisons Information Centre)

Section 2: Hazards Identification

Not classified as hazardous according to criteria of Worksafe Australia.

Non-dangerous goods.

Risk Phrases: None.

Safety Phrases: S: 24/25 Avoid contact with skin and eyes.

Section 3: Composition/Information on Ingredients

Ingredients:

Quaternary ammonium compound		< 5 %
Water	[7732-18-5]	to 100 %

Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Swallowed: Do not induce vomiting.

Skin: Remove contaminated clothing and wash skin thoroughly.

Eyes: Hold eyes open, flood with water for at least 15 minutes and seek medical advice.

Inhaled: Remove from exposure.

First Aid facilities:
Recommended: Eye wash. Hand wash basin.

Advice to Doctor:
Product is a dilute aqueous solution of a quaternary ammonium compound. Contact Poisons Information Centre.

Aggravated medical conditions:
Pre-existing skin disorders.

Section 5: Fire Fighting Measures

HAZCHEM Code: None assigned.

Extinguishant: Water.

Risk of violent reaction or explosion: No.

Products of combustion: Water vapour, oxides of carbon, oxides of nitrogen, hydrogen chloride.

Protective Equipment: Breathing apparatus and protective gloves for fire only.

Section 6: Accidental Release Measures

Emergency Procedures:
Contain.
Prevent release to natural waters or the environment.

For large spills:
Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills.

For small spills:
If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent and transfer to suitable container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

Section 7: Handling and Storage

Precautions for safe handling:
Avoid contact with skin and eyes.

Conditions for safe storage:
Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from oxidising agents, strong alkalis. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Incompatibles:
Oxidising agents, strong alkalis.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA:	None assigned.
ES-STEL:	None assigned.
ES-PEAK:	None.
Notations:	None.

Biological Limit Values: No data.

Engineering Controls:
Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if vapour/aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.

Personal Protective Equipment:
Avoid contact with skin and eyes. Avoid breathing aerosols or vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:
Eye/face protection
Gloves, rubber or plastic.

Industrial Quantities:
Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Section 9: Physical and Chemical Properties

Appearance:	Clear, colourless, mobile liquid.
Odour:	Almost odourless.
pH:	7.0 - 7.5
Vapour Pressure:	No data.
Vapour Density:	No data.
Boiling Point:	100 °C
Melting Point:	No data.
Volatiles:	About 95 % [as water]
Volatile Organic Compounds (VOC):	Nil.
Evaporation Rate:	No data.
Solubilities:	Miscible with water.
Specific Gravity/Density:	1.0 g/mL.
Flash Point:	None.
Flammable Limits:	None.
Dust Explosion:	Not applicable.
Auto-ignition Temperature:	No data.

Other Information:
May react with strong oxidising agents, strong alkalis.
Slippery when spilled.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials.

Incompatible Materials: Oxidising agents, alkalis.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen, hydrogen chloride.

Hazardous Reactions: None known.

Section 11: Toxicological Information

Health Effects:
No data available for the mixture. Information presented relates to individual ingredients.

Acute:

Swallowed: Slightly toxic. Likely to cause gastric upset, nausea, vomiting and diarrhoea.

Skin: May have a degreasing effect on the skin. May cause mild irritation.

Eyes: May cause irritation to the eyes.

Inhaled: An unlikely route owing to the low volatility of ingredients.
Inhalation of aerosols may cause irritation to the upper respiratory system.

Chronic: Repeated skin contact may lead to irritation and dermatitic effects.

LD50: Quaternary ammonium compound 400 mg/kg oral, rat.

Section 12: Ecological Information

Ecotoxicity: Harmful to aquatic organisms.

Persistence and degradability: No data.

Mobility: Readily transported by water.

Environmental Fate: No data.

Bioaccumulative potential: No data.

Other adverse environmental effects: No data.

Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

Disposal methods and containers:
Avoid disposal to natural waters or the environment.

Special precautions for landfill or incineration:
Unsuitable for incineration.

Section 14: Transport Information

UN Number: None assigned.

UN Proper shipping name: None assigned.

Class and subsidiary risk: None.

Packaging group: None.

Special precautions for user: None.

HAZCHEM Code: None assigned.

Material for export: Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Not a scheduled poison.

Dangerous Goods: Not dangerous goods.

Carcinogen:	**Australia**	**IARC**	**NTP**	**RTECS**
	No.	No.	No.	No.

Agricultural and Veterinary Chemicals Act: No data.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data.

Section 16: Other information

Date of MSDS preparation: December 2004

Abbreviations:

NOHSC - National Occupational Health and Safety Commission.
ACGIH - American Conference of Governmental Industrial Hygienists.
MAK - Maximum workplace concentration - Germany, (*maximale Arbeitsplatzkonzentration*)
IARC - International Agency for Research on Cancer (France).
NPT - National Toxicology Program (USA).
RTECS - Registry of Toxic Effects of Chemical Substances.

Literature references:

Other Available Sources of Data:

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.
Australian Dangerous Goods Code.
Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.
List of Designated Hazardous Substances [10005] - NOHSC.
Merck Index - Merck Inc.
Sax's Dangerous Properties of Industrial Materials - Lewis.
Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.
Handbook of Reactive Chemical Hazards - Bretherick.
Hawley's Condensed Chemical Dictionary - Wiley Interscience.
AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.