Material Safety Data Sheet  
Tri-Mint

1. STATEMENT OF HAZARDOUS NATURE, CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Not classified as hazardous according to criteria of NOHSC Australia. 
Not classified as Dangerous Goods according to the ADG Code.

Product Use: Disinfectant for use on all surfaces. 
See label or application sheet for details of methods of use.

Supplier: Trojan Hospitality Pty Limited
ABN: 15 002 478 800
Address: 2-6 Perry Street CAMPSIE NSW 2194
Telephone: +61 2 9789 3366 Facsimile: +61 2 9787 3232

Emergency Telephone: 1800 033 111 (All Hours)

2. INGREDIENTS  

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary Ammonium compounds</td>
<td>63449-41-2</td>
<td>3%</td>
</tr>
<tr>
<td>Non-ionic surfactant</td>
<td>Confidential</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Fragrance compounds</td>
<td>Confidential</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Other ingredients non-hazardous according to NOHSC criteria</td>
<td>Balance to 100%</td>
<td></td>
</tr>
</tbody>
</table>

3. HEALTH HAZARDS IDENTIFICATION

APPROVED CRITERIA
Classification: Not Classified as a Workplace Hazardous Substance. Not classified as hazardous according to the National Occupational Health and Safety Commission’s Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1991)].

SUSDP Classification: Not a scheduled Poison
ADG Code Classification: Not Classified
UN No.: None (See also Sections 14-16)

POTENTIAL HEALTH EFFECTS
Health effects are NOT likely to occur from overexposure. No adverse health effects expected if safety precautions are followed.

Acute Swallowed: Not expected to be harmful. May lead to discomfort or nausea.
Skin: Contact of this substance with the skin not expected cause irritation. Repeated or prolonged contact may lead to de-fatting of skin that may also lead to dermatitis.
Eye: Contact of this substance with the eyes not expected to be an irritant providing it is washed out promptly.
Inhaled: Not expected to be harmful if vapours inhaled. Spray mist may be slightly irritant to the nose.
Chronic (long-term) effects: None known.
Carcinogen status: Not classified by NOHSC, NTP or IARC

4. FIRST AID MEASURES

For advice, contact a Poison Information Centre (Phone 131 136 anywhere in Australia), or a doctor.

Inhalation: If mist or vapour inhaled remove from contaminated area.
Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Eye contact: If in eyes, wash out immediately with water.
Ingestion: If sprayed in mouth, rinse mouth with water.
Notes to Physician: Product contains 3% of quaternary ammonium compounds to be taken into account should vomitus reach the lungs.

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Version: 2  
Issue Date: 20 May 2004  
Code: TM005  
TM010  
TM025
5. FIRE-FIGHTING MEASURES

Fire and explosion hazards
: Neither flammable nor combustible.
Extinguishing media
: Use extinguishing media appropriate to surrounding fire conditions. Remove containers not involved in the fire from the vicinity. Water spray/fog, dry chemical, CO₂ or foam are preferred media.
Fire-fighting
: Evacuate area to upwind of fire. Summon Fire Service immediately. Emergency workers should wear full protective equipment and supplied-air breathing apparatus. Toxic or irritating particulates, vapours or gasses may be produced. Spray water on containers to cool to prevent over-pressure. Contain contaminated fire-fighting water.

6. ACCIDENTAL RELEASE MEASURES

Accidental release
: Evacuate immediate area. Wear Personal Protective Equipment detailed in Section 8. Seal leak if safe to do so. Place leaking containers in overbin, label for disposal. Contain spill with absorbent material such as dry sand. Do not allow to enter drains or sewer. Sweep up and place in labeled container. Damp down contaminated area with water, cover with absorbent and sweep up and place in labeled container. Negotiate disposal with Waste Authority for jurisdiction.
Occupational release
: As for accidental release.

7. HANDLING AND STORAGE

Store away from heat. Store in sealed containers.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS
NOHSC TWA
: None
NOHSC STEL
: None

TWA : The Time Weighted Average (TWA) is the concentration of the substance in the worker’s breathing zone, exposure to which over 8-hour days, 5-day weeks over a working lifetime, should not cause any undue discomfort or health impairment to nearly all workers.
STEL : The Short Term Exposure Limit (STEL), means a 15 minute TWA exposure which should not be exceeded and should not be repeated within 60 minutes or more than four times per day.

ENGINEERING CONTROLS
For normal use, natural ventilation is expected to be adequate.

PERSONAL PROTECTION
Ventilation
: Mechanical ventilation is not required in normal use where there is good natural ventilation. Avoid breathing vapours or aerosol mist. Use in well ventilated space.
Respirator
: Not required for normal use in a well ventilated area.
Eye protection
: Avoid contact with eyes.
Skin protection
: Avoid contact with skin.
Flammability
: Not flammable or combustible.
9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Colourless
Odour: Mint
Boiling Point: ~100°C
Specific Gravity (SG): 1.0 @ 20°C
Water solubility: Soluble
pH: 6.5 – 7.5
Flash point: None
Autoignition temp.: None
Lower explosive limit: Not applicable
Upper explosive limit: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
Conditions to avoid: No special conditions.
Incompatibilities: No special incompatibilities. May precipitate anionic surfactants.
Hazardous decomposition: No decomposition expected at normal temperatures.
Polymerisation: No hazardous polymerisation will occur.

11. TOXICOLOGICAL INFORMATION

Local effects of product: If in eyes, may cause irritation if not washed out promptly. Prolonged and frequent contact with skin may cause de-fattening.
Target organs: No data on the product mixture is available. Hazard estimated from consideration of hazardous ingredient concentration.

Hazardous ingredient: Quaternary ammonia compounds (hazardous at concentrations > 5%)
LD50: Oral rat 240 mg/kg
Eye: Irritant
Skin: Irritant
Respiratory system: Irritant

Sensitising: Some evidence of skin sensitisation.*
Mutagenicity data: Negative Ames test (Salmonella)
Reproductive effects: Embryotoxic in tests on rabbits.*
Carcinogenicity: No evidence in limited testing.*

Risk Phrases: HARMFUL IN CONTACT WITH SKIN (R21)
HARMFUL IF SWALLOWED (R22)
CAUSES BURNS (R34)

12. ECOLOGICAL INFORMATION

Toxicity to fish: No data on product – expected to be toxic to aquatic organisms.
Toxicity to daphnia: No data on product.
Toxicity to algae: No data on product.
Toxicity to bacteria: No data on product.
Ready biodegradability: No data on product.
13. DISPOSAL CONSIDERATIONS

Preferred method of disposal: If the liquid cannot be salvaged and used, arrange disposal with Waste Authority to the liquids disposal facility. Landfill disposal may be possible, if approved by local authority. Rinse out the “empty” container into the next container to be used and recycle if recycling system is available.

14. TRANSPORT INFORMATION AND STORAGE CLASS

ADG Code requirements: None
UN No.: None
ADG Code Class: None
ADG Code Sub-risk: None
Packing Group: None
Initial Response Guide: None
Special provision: None
Stowage: No special requirements.

15. REGULATORY INFORMATION

AICS Status Of Ingredients: According to information available, all ingredients are present in the Australian Inventory of Chemical Substances and the product is legal to import or manufacture.

16. OTHER INFORMATION

R-Phrases: None

S-Phrases: KEEP OUT OF REACH OF CHILDREN (S2)
AVOID CONTACT WITH SKIN AND EYES (S24/25)
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND CONTACT A DOCTOR OR POISONS INFORMATION CENTRE (S26)

Poisons regulation requirements: None (quaternary ammonia compounds < 5%).
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ACRONYMS
ACGIH: American Conference of Government Industrial Hygienists
AICS: Australian Inventory of Chemical Substances
CAS No.: Chemical Abstracts number
IARC: International Agency for Research on Cancer
NOHSC: National Occupational Health and Safety Commission
NTP: National Toxicology Programme (USA)
OHSA: Occupational Health & Safety Administration (USA)
R-Phrases: Risk phrases identifying main hazard of ingredient or product
S-Phrases: Safety phrases identifying main safety measures to be used
SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
UN No.: United Nations identifying number for DG

CONTACT
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MSDS Creation Date: 19 May 2004
Next Revision Date: Not later than 19 May 2009, but may require revision within three years of the new national MSDS code being adopted by jurisdictions, or when new or better information becomes available.
Version Authorised By: Robert Lawecki (Director) – 19 May 2004

SUPPLIER STATEMENT
All information given in this data sheet and by the company’s technical staff is compiled from the best information currently available to the company. The company accepts no responsibility whatsoever for its accuracy or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at its own risk and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving the advice or information.