Material Safety Data Sheet
Flush-It

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: Major recommended use is as a heavy duty cleaner and scale remover for toilets and urinals. See label for methods of use.

Supplier: Trojan Hospitality Pty Limited
ABN: 15 002 478 800
Address: 2-6 Perry Street CAMPBIE 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>Non-ionic surfactants</td>
<td>Confidential</td>
<td>Medium &lt;20%</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>Low &lt;5%</td>
</tr>
<tr>
<td>Colourant</td>
<td>Confidential</td>
<td>&gt; 1%</td>
</tr>
<tr>
<td>Other ingredients non-hazardous according to NOHSC criteria</td>
<td></td>
<td>Balance to 100%</td>
</tr>
</tbody>
</table>

3. HEALTH HAZARDS IDENTIFICATION

APPROVED CRITERIA

SUSDP Classification: Not a scheduled Poison (H₃PO₄ < 15%)
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: Target organs — Skin and eyes.
Skin: Not expected to cause irritation if rinsed out promptly.
Eye: Not expected to cause irritation if rinsed out promptly.
Inhaled: Expected to be an irritant if a spray mist is inhaled.
Chronic (long-term) effects: None found for ingredients disclosed by manufacturer.
Carcinogen status: Not classified by NOHSC or IARC

4. FIRST AID MEASURES

For advice, contact a Poison Information Centre (Phone 131 126 anywhere in Australia), or a doctor.

Inhalation: Not applicable, however, if mist is inhaled and symptoms of irritation occur, seek medical advice.
Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before re-use. Seek medical advice if irritation occurs.
Eye contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or doctor, or for at least 15 minutes. If symptoms occur, seek medical advice.
Ingestion: If swallowed, do NOT induce vomiting. Rinse out mouth with water and give a glass of water to drink. If vomiting or nausea occurs, give more water and seek medical advice.
First Aid facilities: Eye wash facilities would be advantageous when handling.
Notes to Physician: Consider aspiration hazard from surfactant ingredients causing foaming.

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Code: FI005
FI010
FI020
FI015
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. Dry chemical, CO₂, foam or water spray/fog 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 gases 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 used absorbent 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

Not Classified as Dangerous Goods (DG). Store away from heat in sealed containers. Keep in an area where leaks cannot enter drains. Launder contaminated clothing before re-use.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS
NOHSC TWA: 1 mg/m³ for phosphoric acid (as H₃PO₄)
NOHSC STEL: 3 mg/m³ for phosphoric acid (as H₃PO₄)

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. If mists are formed, for example, during high-pressure or steam cleaning, this may lead to irritation to eyes or respiratory system, therefore, mists should be captured at source using local exhaust ventilation. Capture velocity of air at release point is recommended to be at least 0.5 m/sec. Direction of air flow to be away from breathing zone.

PERSONAL PROTECTION
Ventilation: Mechanical ventilation is not required in normal use where there is good natural ventilation. If mists or vapours are formed, for example, during high-pressure or steam cleaning, this may lead to irritation to eyes or respiratory system, therefore, mists should be captured at source using local exhaust ventilation. See above under engineering controls.
Respirator: Not required for normal use. If ventilation is inadequate when using the product in a way that causes mist formation, or if using the product in steam cleaning, use half-face respirator complying with AS 1716 and fitted with combined particulate / organic vapour cartridges.
Eye protection: Avoid contact with eyes. Protection not required for normal use, but recommended for usage where spray could enter eyes.
Skin protection: Not required for normal use. For frequent use, if the liquid could come into contact with the skin or hair, wear waterproof gloves such as PVC-coated cotton or disposable rubber gloves.
Flammability: Not flammable.
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9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Blue
Odour: None
Closed Flased Point: Not applicable
Boiling Point: 100°C (water)
Water solubility: Miscible all proportions
pH: < 1 undiluted
Corrosiveness: May corrode some metals
Oxidising properties: Not an oxidising agent
Reactivity: Stable
Autoignition temp.: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
Conditions to avoid: Spills and leaks.
Incompatibilities: Incompatible with oxidizing agents, some metals.
Hazardous decomposition: No decomposition expected at normal temperatures.
Polymerisation: No hazardous polymerisation will occur.

11. TOXICOLOGICAL INFORMATION

No health effects are likely to occur from any normal exposure.

Acute
Swallowed: Not acutely toxic. (Phosphoric acid as H3PO4 is less than 15%)
Eye: Not expected to be an irritant if rinsed out promptly.
Skin: Not expected to be an irritant if rinsed off promptly. Repeated, prolonged contact may cause defatting of skin, possibly leading to dermatitis.
Inhaled: Vapours not an inhalation hazard. Mists may cause respiratory irritation.
Chronic: No data indicating adverse chronic health effects were found.

No data on the product mixture is available. Hazard estimated from consideration of hazardous ingredient concentrations.

12. ECOLOGICAL INFORMATION

No data is available on the product mixture. Not expected to be toxic to aquatic organisms. Does not contain heavy metals or halogenated compounds. Contains phosphate in the form of phosphoric acid.

Toxicity to fish: No data on product.
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. Surfactants reported to be biodegradable.

13. DISPOSAL CONSIDERATIONS

Preferred method of disposal: If the liquid cannot be salvaged and used, arrange disposal of any significant quantity with the local Waste Authority for transfer to the liquids disposal facility. Landfill disposal may be possible, if approved by local authority. Wrap individual empty containers in newspaper before placing in garbage.

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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 : Stow away from foodstuffs.

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)
WEAR SUITABLE GLOVES AND EYE PROTECTION (S36/38)

Poisons regulation requirements: None.

ACRONYMN
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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Next Revision Date : Not later than 28 February 2011, but may require revision if and when new or better information becomes available on toxicology or safety.
Version Authorised By : Robert Lawecki (Director) – 28 February 2006

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.