



Section 1: Identification of the Material and Supplier

Product Name: Surg

Other Names: Aqueous solution of surfactants.

Proper shipping name (ADG Code): None.

Recommended use: As a dish-washing detergent for manual washing.

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

HEAD OFFICE

60 Gleadow Street,
INVERMAY TAS 7248
Tel: 03 6331 4755
Fax: 03 6334 1065

HOBART OFFICE

105 Albert Road,
MOONAH TAS 7009
Tel: 03 6228 7955
Fax: 03 6228 7988

BURNIE OFFICE

22 Pearl Street,
WIVENHOE TAS 7320
Tel: 03 6431 9627
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: None.

Section 3: Composition/Information on Ingredients

Ingredients:

Proprietary surfactant mixture		10 - 30 %
Other ingredients		< 10 %
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 an aqueous solution containing a moderate proportion of mixed surfactants. May cause mild irritation to eyes. A possible aspiration risk if swallowed. 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, oxides of sulphur.

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

Section 6: Accidental Release Measures

Emergency Procedures:

Contain.

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.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with eyes.

Conditions for safe storage:

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

Incompatibles:

Oxidising agents.

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 found.

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 eyes. Avoid breathing concentrated vapours or aerosols. 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, yellow, mobile, frothing liquid.
Odour: Mild detergent odour.
pH: Neutral to slightly alkaline.
Vapour Pressure: No data.
Vapour Density: No data.
Boiling Point: From 100 °C
Melting Point: No data.
Volatiles: About 83 %
Volatile Organic Compounds (VOC): < 2 % [ethanol]
Evaporation Rate: No data.
Solubilities: Miscible with water in all proportions.
Specific Gravity/Density: About 1 g/mL @ 20 °C
Flash Point: None.
Flammable Limits: None.
Dust Explosion: Not applicable.
Auto-ignition Temperature: No data.

Other Information:

Aqueous solution of mixed surfactants.
May react with strong oxidising agents.
Slippery when spilled.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible materials.
Incompatible Materials: Oxidising agents.
Hazardous Decomposition Products: Oxides of nitrogen, oxides of sulphur.
Hazardous Reactions: None known.

Section 11: Toxicological Information

Health Effects:

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

Acute:

- Swallowed:** Likely to cause gastric upset, nausea, vomiting and diarrhoea.
An aspiration risk.
- Skin:** Will have a degreasing effect on the skin which may lead to irritation.
- Eyes:** May be irritating to eyes. May cause redness, itching and irritation.

Inhaled: An unlikely route owing to the low volatility of most ingredients. Aspiration (as froth) into the lungs during swallowing or vomiting may lead to chemical pneumonitis (irritation of lung tissues) and pulmonary oedema (build up of fluid in the lungs). Onset of symptoms may be delayed.

Chronic: Repeated skin contact with the concentrate may lead to de-fatting, dry skin and irritation, and possible dermatitic effects.

LD50: No data found.

Section 12: Ecological Information

Ecotoxicity: Concentrate may be harmful to aquatic organisms, including fish.

Persistence and degradability: The surfactants used in this product are generally considered to be readily biodegradable; i.e. 80 % biodegradable according to AS 1792.

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 assigned.

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: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data.

Section 16: Other information

Date of MSDS update: September 2005

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.