



Section 1: Identification of the Material and Supplier

Product Name: Mean Green

Other Names: Citrus heavy duty liquid hand cleaner.
Aqueous solution of mixed surfactants.

Proper shipping name (ADG Code): None assigned.

Recommended use: As a heavy duty hand cleaner.
Use as directed on the product label.

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 the criteria of Worksafe Australia.

Non-dangerous goods.

Risk Phrases: None assigned.

Safety Phrases: None assigned.

Section 3: Composition/Information on Ingredients

Ingredients:

Mixed surfactants	10 - 30 % v/v
Other ingredients deemed not to be hazardous	< 10 % w/v
Water [7732-18-5]	to 100 %

Section 4: First Aid Measures

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

Swallowed: If swallowed, do NOT induce vomiting.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eyes: 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 a doctor, or for at least 15 minutes.

Inhaled: Remove from exposure, rest and keep warm. Seek medical advice.

First Aid facilities:

Recommended: Eye wash. Hand wash basin.

Advice to Doctor:

Product is an aqueous solution of mixed surfactants. The concentrate may be irritating to skin and eyes, and may cause sensitisation by skin contact. If swallowed, vomiting should not have been induced because of risk of aspiration of froth into the lungs. Contact Poisons Information Centre.

Aggravated medical conditions:

Pre-existing skin or eye disorders.

Section 5: Fire Fighting Measures

HAZCHEM Code: None assigned.

Evacuate: No.

Extinguishant: Water.

Risk of violent reaction or explosion: No.

Products of combustion: Water vapour, oxides of nitrogen, oxides of sulphur, oxides of carbon.

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

Section 6: Accidental Release Measures

Emergency Procedures:

Contain.
Increase ventilation.

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 accidental skin or eye contact with the concentrate.

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. 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 assigned.

Notations: None assigned.

Biological Limit Values: No data found.

Engineering Controls:

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

Personal Protective Equipment:

Avoid contact between the concentrate and skin or eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:

Use with plenty of water.

Industrial quantities, or the concentrate:

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

Section 9: Physical and Chemical Properties

Appearance: Green, viscous liquid.
Odour: Smell of citrus.
pH: About 7 Neutral.
Vapour Pressure: No data.
Vapour Density: No data.
Boiling Point: From about 100 °C
Melting Point: No data.
Volatiles: About 84 %
Volatile Organic Compounds (VOC): About 2 %
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:

May react with strong oxidising agents, concentrated mineral acids, caustic alkalis. Slippery when spilled.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible materials.
Incompatible Materials: Oxidising agents, mineral acids, caustic alkalis.
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, discomfort, vomiting and diarrhoea. An aspiration risk.

Skin:	Contact with the concentrate will have a degreasing effect on the skin. Prolonged contact may cause dry skin and irritation.	
Eyes:	Liquid splashes into the eyes will cause redness and irritation.	
Inhaled:	An unlikely route owing to the low volatility of most ingredients. Inhalation of aerosols, or aspiration into the lungs during swallowing or vomiting, may lead to chemical pneumonitis (irritation of lung tissues) and possible pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.	
Chronic:	Repeated skin contact with the concentrate may lead to irritation and dermatitic effects.	
LD50:	Surfactant #1	12,400 µL/kg oral, rat. 4,400 mg/kg skin, rabbit.
	Surfactant #2	No data found.

Section 12: Ecological Information

Ecotoxicity:	Harmful to aquatic organisms.
Persistence and degradability:	One of the surfactants used in this product is not considered to be readily biodegradable.
Mobility:	Readily transported by running water.
Environmental Fate:	No data.
Bioaccumulative potential:	No data.
Other adverse environmental effects:	Contains mixed surfactants. Local concentrations may be harmful to aquatic organisms, including fish.

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.
 May not be suitable for some landfill sites.

Section 14: Transport Information

UN Number: None assigned.
UN Proper shipping name: None assigned.
Class and subsidiary risk: None assigned.
Packaging group: None assigned.
Special precautions for user: Contain spillages.
HAZCHEM Code: None assigned.
Material for export: Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Not a scheduled poison.
Dangerous Goods: No.
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: March 2007

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.