



Section 1: Identification of the Material and Supplier

Product Name: Liquid Laundry Detergent

Other Names: Aqueous solution of an alkaline surfactant mixture.

Proper shipping name (ADG Code): None assigned.

Recommended use: As a liquid laundry detergent.
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

Classified as hazardous according to criteria of Worksafe Australia.
Non-dangerous goods.

Risk Phrases: R: 38 Irritating to skin.
R: 41 Risk of serious eye damage.

Safety Phrases: S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S: 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Section 3: Composition/Information on Ingredients

Ingredients:

Sodium tripolyphosphate	[7758-29-4]	< 10 %
Sodium silicate solution	[1344-09-8]	< 10 %
Mixed surfactants		< 10 %
Sodium hydroxide	[1310-73-2]	< 10 %
Other ingredients deemed not to be hazardous		< 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: 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 alkaline solution of mixed surfactants. Irritating to skin. May cause tissue damage if splashed into eyes. If swallowed, vomiting should not have been induced because of risk of aspiration of alkaline froth into the lungs. Contact Poisons Information Centre.

Aggravated medical conditions:

Pre-existing skin 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 carbon, oxides of phosphorus.

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 and detergent.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes.
Avoid breathing aerosols.
Keep away from acids.

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 acids, oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Incompatibles:

Acids, oxidising agents.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA: Sodium hydroxide 2 mg/m³

ES-STEL: None assigned.

ES-PEAK: Sodium hydroxide 2 mg/m³

Notations: None.

Biological Limit Values: No data found.

Engineering Controls:

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

Personal Protective Equipment:

Avoid contact with skin and eyes. Avoid breathing 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, blue, mobile, frothing liquid.
Odour: Slight detergent odour.
pH: Very alkaline.
Vapour Pressure: No data.
Vapour Density: No data.
Boiling Point: From 100 °C
Melting Point: No data.
Volatiles: About 70 %
Volatile Organic Compounds (VOC): < 1 %
Evaporation Rate: No data.
Solubilities: Miscible with water in all proportions.
Specific Gravity/Density: 1.0 - 1.1 g/mL @ 20 °C
Flash Point: None.
Flammable Limits: None.
Dust Explosion: Not applicable.
Auto-ignition Temperature: No data.

Other Information:

Highly alkaline solution of mixed surfactants. May react
vigorously with acids. May react with strong oxidising agents.
May be corrosive to aluminium, zinc and galvanised iron on
prolonged contact. Very slippery when spilled.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible materials.
Incompatible Materials: Acids, oxidising agents, active metals such as
aluminium, tin, zinc.
Hazardous Decomposition Products: Oxides of phosphorus.
Hazardous Reactions: May react vigorously with acids.
May be corrosive to zinc or galvanised iron on
prolonged contact.

Section 11: Toxicological Information

Health Effects:

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

Acute:	Swallowed:	May be slightly corrosive to the mucous membranes of the mouth, throat and stomach. Likely to cause gastric upset with discomfort or pain, , nausea, vomiting and diarrhoea. An aspiration risk.
	Skin:	Irritating to the skin. May cause redness, itching, irritation and pain. May cause burns on prolonged contact. Will have a degreasing effect on the skin.
	Eyes:	Irritating to eyes. Irritation may be severe. Risk of tissue damage if splashed into the eyes. May cause redness, irritation, pain and blurred vision.
	Inhaled:	Inhalation of aerosols may irritate the upper respiratory system. Aspiration of alkaline froth into the lungs during swallowing or vomiting may cause chemical pneumonitis (irritation and inflammation of lung tissues) and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed. Risk of tissue damage.
Chronic:	Repeated skin contact may lead to irritation and burns.	
LD₅₀:	Sodium tripolyphosphate	3,120 mg/kg oral, rat.
	Sodium silicate	1,960 mg/kg oral, rat.
	Surfactant #1	No data found.
	Surfactant #2	1 - 2,000 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: Contains C₁₂ - C₁₅ alcohols, ethoxylated, and other surfactants. Local concentrations will be harmful to aquatic organisms, including fish.

Contains phosphate. May contribute to the development of algal blooms in natural waters.

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.
Avoid using containers of aluminium, zinc or galvanised iron.

Special precautions for landfill or incineration:

Unsuitable for incineration.
May be unsuitable 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): Schedule 5
Sodium hydroxide and other alkaline salts in solution, with pH > 11.5.

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: August 2007
Complete review and re-write of all sections.

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 [1005] - 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.