Section 1: Identification of the Material and Supplier

Product Name: **Pro Clean Spray & Wipe**

Other Names: Alkaline surfactant solution.

Proper shipping name (ADG Code): None assigned.

Recommended use: As a multi-purpose industrial cleaner.
Use diluted 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

Section 2: Hazards Identification

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

Risk Phrases:	R: 36/38	Irritating to eyes and skin.
Safety Phrases:	S: 1/2	Keep locked up and out of the reach of children.
	S: 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S: 37/39	Wear suitable gloves and eye/face protection.
	S: 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

Section 3: Composition/Information on Ingredients

Ingredients:

Sodium hydroxide	[1310-73-2]	< 2 %
Surfactants		< 10 %
Glycol ethers		< 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. Wash clothing thoroughly before re-use.

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.

First Aid facilities:
Recommended: Eye wash. Hand wash basin.

Advice to Doctor:
Product is an alkaline aqueous solution containing low proportions of sodium hydroxide and mixed surfactants. Risk of serious damage to eyes. 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.

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 concentrated vapours.

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, active metals.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA:	Sodium hydroxide	2 mg/m³
	Diethylene glycol monoethyl ether; none assigned by NOHSC, but see:	25 ppm (WEEL)
ES-STEL:	None assigned.	
ES-PEAK:	Sodium hydroxide	2 mg/m³
Notations:	None.	

[Peak] indicates a ceiling concentration which should not be exceeded, even momentarily.

Biological Limit Values: No data.

Engineering Controls:
Avoid using aluminium, tin, zinc or galvanised iron as materials of construction.
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, and at least below the TLV.

Personal Protective Equipment:

Avoid contact with skin and eyes. Avoid breathing concentrated vapours. 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, orange-red, mobile liquid.
Odour:	Slightly rancid smell.
pH:	Very alkaline.
Vapour Pressure:	No data.
Vapour Density:	No data.
Boiling Point:	> 100 °C
Melting Point:	No data.
Volatiles:	About 84 % [as water]
Volatile Organic Compounds (VOC):	< 5 %
Evaporation Rate:	No data.
Solubilities:	Miscible with water.
Specific Gravity/Density:	About 1 g/mL.
Flash Point:	None.
Flammable Limits:	None.
Dust Explosion:	Not applicable.
Auto-ignition Temperature:	No data.

Other Information:

Alkaline mixture. May react vigorously with strong acids.
May react with oxidising agents.
Contact with aluminium, tin or zinc may generate hydrogen, a flammable gas.
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.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen.

Hazardous Reactions: May react vigorously with acids.

Section 11: Toxicological Information

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

Acute:

Swallowed: May cause burns to mouth and throat. Likely to cause gastric upset, with discomfort or pain, nausea, vomiting and diarrhoea. An aspiration risk.

Skin: Irritating to skin. Will have a degreasing effect on the skin. May cause burns on prolonged contact.

Eyes: Irritating to eyes. May cause redness, pain and possible burns.

Inhaled: An unlikely route at normal temperatures, owing to the low volatility of ingredients. Aspiration into the lungs during swallowing or vomiting may cause chemical pneumonitis (irritation of lung tissues) and pulmonary oedema (fluid buildup in the lungs) or even tissue damage. Onset of symptoms may be delayed.

Chronic: Repeated skin contact may lead to irritation and chemical burns.

LD_{50} : Sodium hydroxide No data found.

Diethylene glycol monoethyl ether 5,500 mg/kg oral, rat.

LDLo: Sodium hydroxide 500 mg/kg oral, rabbit.

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 surfactant. May cause harm to aquatic organisms, including fish. Contains a small proportion of phosphate; may contribute to the development 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 or the environment. Contains a small proportion of phosphate; may contribute to the development of algal blooms.

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.
Packaging group:	None.
Special precautions for user:	Keep away from acids.
HAZCHEM Code:	None assigned.
Material for export:	Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Schedule 5;
sodium hydroxide 5 % or less and with pH 11.5 or higher.

Dangerous Goods: No.

Carcinogen:	**Australia**	**IARC**	**NTP**	**RTECS**
	No.	No.	No.	No.

Agricultural and Veterinary Chemicals Act: No data.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data.

Section 16: Other information

Date of MSDS update: September 2010
Replacement of expired MSDS, slight alteration in formulation.

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.
WEEL - AIHA Workplace Environmental Exposure Level.

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.