

MATERIAL SAFETY DATA SHEET

Fresh Investments Pty Ltd T/As Mountain Cleaning Products

7/7 Snow St., SOUTH LISMORE, NSW 2480

Phone: (02) 6622 8733

Fax: (02) 6622 8744

Emergency: 0404 226509

Product: **PURECLEAN COMMERCIAL LAUNDRY LIQUID**

Date of Issue: NOVEMBER 2013

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Email: support@mountaincleaning.com.au

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION


SUPPLIER:	MOUNTAIN CLEANING PRODUCTS		
ADDRESS:	7/7 Snow Street, South Lismore, NSW 2480		
Trade Name:	PURECLEAN COMMERCIAL LIQUID LAUNDRY		
TELEPHONE:	(02) 6622 8733	FAX:	(02) 6622 8744
AH EMERGENCY TELEPHONE:	13 11 26 in Australia	ABN:	51 147 855 418
Substance:	Water based liquid	Product Use:	Laundry detergent
Creation Date:	JULY 2002	Next Revision Date:	NOVEMBER 2018

SECTION 2 – HAZARDS IDENTIFICATION

This product is classified as **HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission Australia.

This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.

This product is a **scheduled 5** poison according to the SUSDP.

Approved Criteria Classification	Xi - IRRITANT		
	R36/38 – Irritating to skin and eyes. S(1/2) – Keep locked up and out of reach of children. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).		
UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
SUSDP Classification	S5 CAUTION		

EMERGENCY OVERVIEW

Colour	Blue	Odour	Faint odour
Physical Description	Liquid	Viscosity	Non-viscous
Major Health Hazards	None known		

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Sodium hydroxide	1310-73-2	< 10% w/w	2 mg/m ³ Peak	Peak STEL 2 mg/m ³
Non-hazardous ingredients	various	< 10 % w/w	not set	not set
Water	7732-18-5	> 60 % w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 03 474 7000).
First Aid Facilities	Normal washroom facilities.

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Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Inhalation	Remove victim to fresh air away from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and to rest. Seek medical advice (e.g. doctor).
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Aggravated Medical Conditions	None known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Not combustible. However, if involved in a fire will emit toxic fumes.
Extinguishing Media	Use an extinguishing media suitable for surrounding fires.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: Time-weighted Average (TWA): None established for specific product. See SECTION 3 for Exposure Limits of individual ingredients. Short Term Exposure Limit (STEL): None established for specific product. See SECTION 3 for Exposure Limits of individual ingredients.
Biological Limit Value	None established for product.

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Engineering Controls	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.
Personal Protective Equipment	This product is classified as a hazardous cleaning solution. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
Eye Protection 	The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Skin Protection 	Overalls, work boots and gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.
Protective Material Types	Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.
Respirator	Not required for normal and intended cleaning operations with adequate ventilation. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	semi-viscous liquid	Colour	Blue
Odour	Faint	Specific Gravity	1.01 – 1.04 @ 25 °C
Boiling Point	Approximately 100 °C	Freezing Point	Approximately 0 °C
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not combustible	Flammable Limits	Not flammable
Water Solubility	Miscible in all proportions	pH	12.0 – 12.5 neat
Volatile Organic Compounds (VOC)	0 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Ca 70 % v/v

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Reducing agents, Oxidizing agents.
Hazardous Decomposition Products	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

PRODUCT MIXTURE INFORMATION

Ingestion	
short term exposure	Swallowing can result in nausea, vomiting of blood and eroded tissue; chemical burns of the mouth, throat & abdomen.
long term exposure	No information available.
Skin contact	

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short term exposure	Irritating to skin - may cause skin burns. Irritation will continue until removed. Severity depends on the concentration and duration of exposure. Burns are not immediately painful; onset of pain may be minutes to hours.
long term exposure	Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.
Eye contact	
short term exposure	Irritant to eyes; contact can cause corneal burns.
long term exposure	No information available.
Inhalation	
short term exposure	Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation.
long term exposure	No information available.
Carcinogen Status	
NOHSC	No significant ingredient is classified as carcinogenic by NOHSC.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	No significant ingredient is classified as carcinogenic by IARC.
Medical conditions aggravated by exposure	No information available.
CLASSIFICATION OF INDIVIDUAL INGREDIENTS - HAZARDOUS	
NOTE: This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See SECTION 3 for actual proportions of ingredients present in this product.	
Ingredients	R-Phrases at 100%.
Sodium Hydroxide	R35
100% Sodium Hydroxide	
Irritation Data	Corrosive to skin – can cause burns. Corrosive to eyes – can cause permanent injury and possible loss of sight. Inhalation of dusts or mists of the solution can result in respiratory irritation and possible corrosive effects.
Toxicity Data	Intraperitoneal LD50 (mouse): 40mg/kg ; Oral lowest lethal dose (rabbit): 500mg/kg ;Skin (rabbit): severe irritation 500mg/24H ; Eyes (rabbit): severe irritation 1mg/30sec rinse.
Local Effects	Corrosive: skin, eye, inhalation (of aerosol) and ingestion.
Target Organs	Skin, mucous membranes, eyes.
Reproductive Effects Data	No available information.
Acute Toxicity Level	Toxic: ingestion, skin, inhalation (of aerosol or dust).
Carcinogen Data	Potassium and sodium hydroxide have been implicated as a cause of cancer of the oesophagus in individuals who have ingested it. The cancer may develop 12 to 42 years after the ingestion incident. Similar cancers have been observed at the sites of severe thermal burns. These cancers may be due to tissue destruction and scar formation rather than the action of the hydroxide itself. Not classified as a carcinogen by Worksafe Australia.
Mutagenic Data	No available information.

SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity	None available for this specific product.
Algae toxicity	None available for this specific product.
Invertebrates toxicity	None available.
Toxicity to Bacteria	None available for this specific product.
OECD Biological degradation	Individual components stated to be biodegradable. Product does not bio-accumulate significantly and is slightly toxic to aquatic organisms.
General	Product miscible in all proportions with water. AS WITH ANY CHEMICAL, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

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SECTION 13 – DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain.

SECTION 14 – TRANSPORT INFORMATION

UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Packaging Method	none allocated	Special Provisions	none allocated
Segregation	none allocated		

SECTION 15 – REGULATORY INFORMATION

AICS	All ingredients present on AICS.	
Labeling Details	HAZARD	Xi - IRRITANT
	RISK PHRASES	R36/38 – Irritating to skin and eyes.
	SAFETY PHRASES	S(1/2) – Keep locked up and out of reach of children. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).
	SUSDP	S5 CAUTION (Alkaline salts)
	ADG Code	none allocated

SECTION 16 – OTHER INFORMATION

Acronyms	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons.
	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.
	CAS Number	Chemical Abstracts Service Registry Number.
	UN Number	United Nations Number.
	R-Phrases	Risk Phrases.
	HAZCHEM	An emergency action code of numbers and letters which gives information to emergency services.
	NOHSC	National Occupational Health and Safety Commission.
	NTP	National Toxicology Program (USA).
	IARC	International Agency for Research on Cancer.
	AICS	Australian Inventory of Chemical Substances.
	TWA	Time Weighted Average
	STEL	Short Term Exposure Limit
Literature References	Approved Criteria for Classification of Hazardous Substances 3rd Edition [NOHSC:1008 (2004)].	
	Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition.	
	Standard for the Uniform Scheduling of Drugs and Poisons.	
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]	
	Material Safety Data Sheets – individual raw materials – Suppliers.	
	HSIS – Hazardous Substance Information System – National Worksafe Data Base.	
Note	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.	
Contact Point	Regulatory Affairs Manager.	Telephone (02) 6622 8733
Issue Date	NOVEMBER 2013	Supersedes Issue Date NOVEMBER 2008

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This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.