



## Section 1: Identification of the Material and Supplier

**Product Name:** Lemon Soap Powder

**Other Names:** Alkaline mixture of surfactants and inorganic salts.

**Proper shipping name (ADG Code):** None assigned.

**Recommended use:** As a general purpose laundry and washing powder.  
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: 36/38 Irritating to skin and eyes.

**Safety Phrases:** S: 2 Keep out of the reach of children.  
S: 22 Do not breathe dust.  
S: 24/25 Avoid contact with skin and eyes.  
S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S: 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## Section 3: Composition/Information on Ingredients

**Ingredients:**

Sodium carbonate anhydrous	[497-19-8]	> 60 %
Sodium metasilicate pentahydrate	[10213-79-3]	< 10 %
Surfactants		< 10 %
Other ingredients deemed not to be hazardous		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 mixture of inorganic salts and surfactants. Irritating to skin and eyes. If swallowed, vomiting should not have been induced because of risk of aspiration of highly 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:** Oxides of carbon, oxides of sulphur, 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, 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 dusts.  
Keep away from acids.

**Conditions for safe storage:**

Store in a cool, dry, well ventilated place, out of reach of children. 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 promptly; avoid secondary accidents.

**Incompatibles:**

Acids, 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.

**Biological Limit Values:** No data found.

**Engineering Controls:**

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

**Personal Protective Equipment:**

Avoid contact with skin and eyes. Avoid breathing dusts.  
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:**

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

## Section 9: Physical and Chemical Properties

Appearance: Slightly sticky, white granular powder.  
Odour: Smell of lemons.  
pH: About 11.6  
Vapour Pressure: No data.  
Vapour Density: No data.  
Boiling Point: No data.  
Melting Point: No data.  
Volatiles: < 1 %  
Volatile Organic Compounds (VOC): < 1 %  
Evaporation Rate: No data.  
Solubilities: Soluble in water with generation of heat.  
Specific Gravity/Density: No data.  
Flash Point: None.  
Flammable Limits: None.  
Dust Explosion: Will not happen.  
Auto-ignition Temperature: No data.

**Other Information:**

Highly alkaline mixture of inorganic salts and surfactants.  
Will react vigorously or violently with acids, generating carbon  
dioxide, a simple asphyxiant. May react with strong oxidising  
agents. Spillages will be slippery when wet.

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions.  
**Conditions to Avoid:** Incompatible materials.  
**Incompatible Materials:** Acids, oxidising agents.  
**Hazardous Decomposition Products:** Oxides of sulphur, oxides of  
phosphorus.  
**Hazardous Reactions:** Reacts vigorously or violently with acids,  
generating carbon dioxide.

## Section 11: Toxicological Information

**Health Effects:**

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

<b>Acute:</b>	<b>Swallowed:</b>	May cause irritation or burns to mouth, throat and mucous membranes. Likely to cause gastric upset, nausea, vomiting and diarrhoea. Larger doses may cause violent purging and possible electrolyte disturbances.
	<b>Skin:</b>	Irritating to skin. Will have a degreasing effect on the skin. Prolonged contact may cause burns.
	<b>Eyes:</b>	Irritating to eyes. May cause redness and pain. May cause tissue burns.
	<b>Inhaled:</b>	Dust will irritate the respiratory system. Aspiration of froth into the lungs during swallowing or vomiting may cause chemical pneumonitis (irritation and inflammation of lung tissues) possible tissue damage and pulmonary oedema (fluid build-up in the lungs) with the potential to become a medical emergency.
<b>Chronic:</b>		Repeated skin exposure may lead to irritation and skin burns.
<b>LD<sub>50</sub> :</b>	Sodium carbonate anhydrous	4,090 mg/kg oral, rat.
	Other ingredient #1	5,989 mg/kg oral, mouse.
	Other ingredient #2	3,120 mg/kg oral, rat.
	Sodium metasilicate pentahydrate	1,153 mg/kg oral, rat.

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	May be harmful to aquatic organisms.
<b>Persistence and degradability:</b>	One of the surfactants used in this product is not considered to be readily biodegradable.
<b>Mobility:</b>	Readily transported by water.
<b>Environmental Fate:</b>	No data.
<b>Bioaccumulative potential:</b>	No data.

**Other adverse environmental effects:** Contains surfactants. Local concentrations may be harmful to aquatic organisms, including fish. Contains a moderate proportion of inorganic 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 or the environment.

**Special precautions for landfill or incineration:**

Unsuitable for incineration.

May be unsuitable for some landfill sites.

## Section 14: Transport Information

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

## Section 15: Regulatory Information

<b>Poisons (SUSDP):</b>	Schedule 5 <i>Alkaline salts with pH &gt; 11.5.</i>			
<b>Dangerous Goods:</b>	No.			
<b>Carcinogen:</b>	<b>Australia</b> No.	<b>IARC</b> No.	<b>NTP</b> No.	<b>RTECS</b> No.
<b>Agricultural and Veterinary Chemicals Act:</b>	Not applicable.			
<b>Australian Inventory of Chemical Substances (AICS):</b>	Listed.			
<b>Other National/International Regulations:</b>	No data.			

## Section 16: Other information

**Date of MSDS update:** September 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 [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.*