



## Section 1: Identification of the Material and Supplier

**Product Name:** Alpine Soap Powder

**Other Names:** Mixture of alkaline salts and surfactants, containing a mild oxidiser.

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

**Recommended use:** As a soap 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: 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:** S: 22 Do not breathe dust.  
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.  
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 tripolyphosphate	[7758-29-4]	10 - 30 %
Sodium perborate tetrahydrate	[10486-00-7]	10 - 30 %
Sodium carbonate anhydrous	[497-19-8]	10 - 30 %
Sodium metasilicate pentahydrate	[10213-79-3]	10 - 30 %
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 containing surfactants and a mild oxidiser. Irritating by all routes. May cause eye damage. 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:** 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, absorb on inert absorbent and transfer to suitable closed 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 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. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.

**Incompatibles:**

Acids, reducing 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.

**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:	White granular powder.
Odour:	Smell of lemons.
pH:	> 11.5                      Very alkaline.
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:**

Alkaline mixture. Will react vigorously or violently with acids, generating carbon dioxide, a simple asphyxiant. May absorb moisture from the air. Mild oxidiser. 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, reducing agents.

**Hazardous Decomposition Products:** Oxides of sulphur, oxides of phosphorus.

**Hazardous Reactions:** May react 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.

**Acute:**

**Swallowed:** Will cause irritation to mouth, throat and gastrointestinal system. May cause nausea, abdominal pain, vomiting and diarrhoea. May cause electrolyte disturbances. May cause purging and fluid loss, with a fall in blood pressure. Very large doses may cause haemorrhage from the intestines, convulsions, coma and death.

**Skin:** Irritating to skin. May cause redness and blisters. Will have a degreasing effect on the skin which may lead to further irritation.

**Eyes:** Irritating to eyes. Will cause redness, pain and possible tissue damage.

**Inhaled:** Dust will irritate the eyes, nose and upper respiratory system. Symptoms may include coughing, wheezing, difficulty breathing, a burning pain in the nose and throat. Aspiration of 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), with the potential to become a medical emergency. Onset of symptoms may be delayed.

**Chronic:** Chronic inhalation over-exposure may cause nosebleeds, nasal congestion, erosion of the teeth, perforation of the nasal septum, chest pain, bronchitis. Chronic skin contact may lead to sensitisation and dermatitis.

**LD<sub>50</sub> :**

Sodium tripolyphosphate	3,120 mg/kg oral, rat.
Other ingredient #1	5,989 mg/kg oral, mouse.
Sodium perborate tetrahydrate	1,200 mg/kg oral, rat.
Sodium carbonate anhydrous	4,090 mg/kg oral, rat.
Sodium metasilicate pentahydrate	847 mg/kg oral, rat.
Surfactant #1	438 mg/kg oral, rat.

**LDLo:** Sodium perborate tetrahydrate 214 mg/kg oral, human.

## 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 water.

**Environmental Fate:** No data.

**Bioaccumulative potential:** No data.

**Other adverse environmental effects:** Contains surfactants. Local concentrations may be harmful to aquatic organisms, including fish. Contains a moderately high proportion of phosphates. 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.

Maybe 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  
*Alkaline salts 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:** 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.*