

HUNTERS PRODUCTS (TAS) PTY. LIMITED
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MATERIAL SAFETY DATA SHEET
(Sheet No. 006B)

Hazardous according to criteria of Worksafe Australia.

R: 34 Causes burns.
R: 37/38 Irritating to respiratory system and skin.
S: 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

IDENTIFICATION

Product Name: **Stergene**
Chemical Name: Mixture of alkaline salts and surfactant.
Manufacturer's Code:
UN Number: 3262 Corrosive solid, basic,
inorganic, n.o.s.
DG Class: 8 Corrosive.
Packaging Group: III
Subsidiary Risk(s): None.
Hazchem Code: 2 X
EPG No. : 8A1
Poisons Schedule: S5 Alkaline salts, pH > 11.5.
Uses: As a low foam detergent for use on food utensils,
floors etc. Use as directed on the product label.

PHYSICAL DESCRIPTION & PROPERTIES

Appearance: White granular powder.
Soluble in water.
pH very alkaline (> 11.5).
Boiling Point: Not applicable.
Melting Point: No data.
Vapour Pressure: None.
Volatiles: None.
Evaporation Rate: Not applicable.
Odour: Almost odourless.
Vapour Density: Not applicable.
Weight per ml.: Not applicable.
Flash Point: None.
Flammability Limits: None.
Auto-ignition Temperature: No data.

Other Properties: May absorb moisture if exposed to the air.
May react vigorously or violently with acids. May react
with strong oxidising agents. Spillages will be slippery
when wet.

Ingredients

Sodium metasilicate pentahydrate	[10213-79-3]	30 - 60 %
tri-Sodium phosphate dodecahydrate	[10101-89-0]	30 - 60 %
tetra-Sodium pyrophosphate anhydr.	[7722-88-5]	< 10 %
Surfactant		< 10 %

HEALTH HAZARD INFORMATION

Health Effects:

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

Acute:	Swallowed:	Corrosive to mouth, throat and gastrointestinal tract. May cause gastric upset with nausea, vomiting and diarrhoea. May cause abdominal pain, ulceration or bleeding from the gastrointestinal tract.
	Skin:	Mildly corrosive, which may be enhanced by degreasing effect on the skin. May cause skin burns on long contact.
	Eyes:	Corrosive. Risk of permanent eye damage.
	Inhaled:	Inhaled dust will irritate the respiratory tract. Risk of damage to the lining of the lungs. Risk of delayed onset pulmonary oedema (fluid in the lungs).
Chronic:	Prolonged or repeated skin contact may lead to dermatitic effects and chemical burns.	
LD 50 :	Sodium metasilicate pentahydrate	1,153 mg/kg oral, rat 770 mg/kg oral, mouse
	tri-Sodium phosphate dodecahydrate	7,400 mg/kg oral, rat
	tetra-Sodium pyrophosphate	4,000 mg/kg oral, rat
	Surfactant	438 mg/kg oral, rat

First Aid:

If poisoning occurs, contact a doctor or Poisons Information Centre.

Phone: 131126

Swallowed: If swallowed, do NOT induce vomiting. Give a glass of water.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use.

Eyes: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Inhaled: Remove from exposure, rest and keep warm. In severe cases, obtain medical attention.

First Aid Facilities

Recommended: Eye wash. Hand wash basin.

Advice to Doctor

Product is a mixture of alkaline salts, with less than 10 % surfactant. Corrosive. Inhalation exposure may cause delayed onset pulmonary oedema. Treat as for alkaline salts. Contact Poisons Information Centre.

PRECAUTIONS FOR USE

Exposure Limits: [NOHSC]

TLV-TWA: Tetrasodium pyrophosphate 5 mg/m³

TLV-STEL: None assigned.

[NOHSC] - National Occupational Health & Safety Commission
(Worksafe Australia)

Engineering Controls:

Ensure adequate ventilation (same as outdoors) when using.
 If handling industrial quantities, consider local mechanical exhaust/extraction to keep airborne contamination below TLV.

Personal Protection:

Avoid contact with the skin and eyes. Avoid breathing dust.
 Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

- Dust mask
- Safety glasses
- Gloves, rubber or plastic
- Plastic apron, sleeves and boots
- Overalls.

Flammability:

Not flammable.

SAFE HANDLING INFORMATION**Storage & Transport:**

Storage Temperature:	Room temperature
UN Class:	8 Corrosive.
Packaging Group:	III
UN Number:	3262 Corrosive solid, basic, inorganic, n.o.s.
EPG Number:	8A1
Correct Shipping Name:	Corrosive solid, basic, inorganic, n.o.s. (Disodium trioxosilicate, trisodium phosphate mixture)

Observe requirements of The Australian Code for the Transport of Dangerous Goods by Road and Rail.
 Observe the requirements of state Dangerous Goods (Storage & Handling) Regulations.
 Observe the requirements of the Standard for the Uniform Scheduling of Drugs and Poisons.

Storage Advice: Store in a cool, dry, well ventilated area, out of reach of children. Large quantities should be stored in a dangerous goods store. Store in original container. Keep container tightly closed. Keep container dry. Keep away from acids. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.

Spills & Disposals:

Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. **CAUTION:** Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition.

Avoid generating dust. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, carefully transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly with water.

Fire/Explosion Hazard:

Not a fire hazard.
Not an explosion hazard.
May react vigorously with acids.

Decomposition Products:

Carbon dioxide, water vapour, oxides of sulphur, oxides of phosphorus.

In case of small fire/explosion use:

Flooding quantities of water.

In case of major emergency:

HAZCHEM CODE:

2 X

Extinguishant:

Water fog or fine water spray.

Danger of violent reaction or explosion?

No.

Protective Clothing:

Full protective clothing including breathing apparatus and protective gloves.

Appropriate Measures:

Contain.

Evacuate?

No.

Other Information:

Prevent spillages from entering natural waters or the environment. The surfactant used in this product is biodegradable according to Australian Standard AS1792-1976.

Contact Point: Mr. Kent Hateley, Hunters Products (Tas) Pty Ltd.,
60 Gleadow Street, INVERMAY TAS 7248

Telephone: (03) 6331 4755

24 Hour Emergency Tel. No.: Not available

Emergency Services: Dial 000