

Product Name: Top Flight

STATEMENT OF HAZARDOUS NATURE: Hazardous according to criteria of Worksafe Australia.

PRODUCT IDENTIFICATION

UN No:	1814	D.G.Class:	8
HAZCHEM:	2R	Packing Group:	11
Poison Schedule:	6	CAS No. :	N/A
Harmoniz:	3823.90	G.T. EPG:	8AI
Sub Risk:	N/A	Poison Sched:	6

USE: Chlorinated detergent, specifically designed for dishwashing machines.

INGREDIENTS:

CAS No

PROPORTION

Potassium hydroxide	1310-58-3	> 25%
Sodium tripolyphosphate	7758-29-4	< 10%
Sodium silicate	1344-09-8	< 10%
Sodium hypo chlorite	7681-52-3	< 10%
Water	7732-18-5	Balance

PHYSICAL DESCRIPTION / PROPERTIES:

Appearance:	A water-white liquid with a faint odour of chlorine. Soluble in water to produce non-foaming solutions.	
Boiling Range:	Approximately 110° C	
Melting Range:	0° C	
Vapor Pressure:	18mm/Hg	
Specific Gravity:	1.28 @20°C	
Flash Point:	Non Flammable	
pH:	as received 13.3 ± 0.2	
	1% soln 12.5 ± 0.2	N/A: - Not applicable.

HEALTH HAZARD INFORMATION

Toxicity Data:

Oral Lowest Lethal Dose Rabbit : 125mg/kg.
LD50 Mouse 50mg/kg. (Potassium hydroxide)

IRRITATION DATA:

Skin : Human : 50 grams/24hrs : Severe Skin : Rabbit : 50 grams/24hrs : Severe

Acute Effects:

Swallowed:

May cause irritation and severe burns to mouth, throat and stomach.
May be harmful if swallowed.
Ingestion can cause nausea, vomiting, diarrhea, abdominal pain, convulsions and may result in death..

Eyes:

A severe eye irritant. May cause conjunctivitis, corneal burns and ulceration.
Contamination of eyes can result in permanent injury.

Skin

Harmful if contacted with skin. Corrosive to skin - may cause skin burns.
Will have a defatting effect on the skin.

Inhaled:

Inhalation may be harmful. May cause irritation to the mouth, nose, and throat.
Not considered a feature of normal use.

Chronic Effects:

Repeated or prolonged skin contact can cause chronic dermatitis.

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Lepanto Group

Product Name: Top Flight**FIRST AID:****Swallowed:**

Give plenty of water to drink. DO NOT INDUCE VOMITING.

Seek medical attention.

Poisons Information Centre: Phone: Australia 13 1126 New Zealand 03 4747000.

Eyes:

Irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.

Seek medical assistance.

Skin:

Wash affected areas with copious quantities of water.

Remove contaminated clothing and wash before re-use.

If irritation occurs seek medical advice.

Inhaled:

For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible - either on site or at the nearest hospital.

Not considered a feature of normal use.

Advice to Doctor:

Treat symptomatically as for strong alkalis.

Consult Poisons Information Centre.

PRECAUTIONS FOR USE**Exposure Standards**

TLV, 2mg/m3 Ceiling (ACGIH) (as Potassium hydroxide)

TLV is the time weighted average concentration of the work atmosphere over a normal 8 hour work day and a 40 hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TLV's are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TLV's should not be used as fine lines between safe and dangerous concentrations.

Ceiling Value - is the concentration that should not be exceeded even instantaneously.

Ventilation:

No special ventilation required. Avoid generation and inhalation of mists or aerosols.

Personal Protection:

Wearing of the following personal protective equipment is advisable -

Chemical goggles, face shield and PVC or rubber gloves.

Always wash hands before eating, drinking, smoking or using the toilet.

Flammability:

Non-combustible. Non-flammable.

SAFETY HANDLING INFORMATION**Storage & Transport:**

Keep containers securely sealed and protected against physical damage.

Store away in cool place. Store away from acids.

This product is non hazardous and is not considered as a Dangerous Good in the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Spills and Disposal:

The following protective equipment should be worn; safety glasses, goggles or faceshield as appropriate.

Isolate leaking containers and stop leak if safe to do so.

Mop up and wash to drain with copious volumes of water.

Slippery when spilt. Avoid accidents, clean up immediately.

Reactivity Data:

The solution in water is a strong base. It reacts violently with acid and is corrosive to the skin and some metals

Releases toxic chlorine gas in contact with acids.

Fire/Explosion Hazard:

Non combustible.

The product is strongly alkaline and hence may react with metals to produce hydrogen, a flammable gas.

In event of a fire the product may release toxic chlorine gas.

For fire in the surroundings, use the appropriate extinguishing method for the area.

DATE REVISED: 2nd December 2005

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