

Chlorosan

Hazardous according to the criteria of Worksafe Australia.

Section 1: Supplier Information

Company Details:	Applied Products Australia 11 Gamma Close Beresfield NSW 2322 Phone: +612 4966 5516 Fax: +612 4966 5510
Emergency Telephone No:	Tel: +612 4966 5516 Tel: 131 126 Poisons Information Centre
Date of MSDS Preparation:	October 2008

Section 2: Identification

Product Name:	Chlorosan
Product Code:	AP720
UN Number:	Not allocated
Dangerous Goods Class and Subsidiary Risk:	Not allocated
Proper Shipping Name:	Not allocated
Hazchem Code:	Not allocated
Poisons Schedule No:	5
Use:	Chlorinated detergent for mould removal, destaining and sanitizing.

Section 3: Physical Description and Properties

Appearance:	Slightly viscous yellow liquid with chlorine odour.
Boiling Point:	Decomposes on heating.
Vapour Pressure:	Not available
Specific Gravity:	1.11
Flashpoint:	Not flammable
Flammability Limits:	Not flammable
Solubility in Water:	Completely soluble

OTHER PROPERTIES

Corrosiveness:	Corrosive to aluminium, tin and zinc.
Reactivity:	Contact with acids liberates toxic gas.
pH:	12.4

INGREDIENTS

All hazardous substances as defined by the NOHSC code 1008 are listed by chemical name and CAS No. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous."

CHEMICAL NAME	CAS No.	PROPORTION
Sodium Hypochlorite	7681-52-9	6% av chlorine
Sodium Hydroxide	1310-73-2	1% w/v
Non Hazardous Ingredients		to 100%

Section 4: Health Hazard Information

HEALTH EFFECTS

ACUTE

Swallowed:	May cause irritation to mouth, throat and stomach with effects including mucous build-up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhea.
Eye:	Will cause severe irritation to the eyes with effects including: tearing, pain, corneal opacity and blurred vision.
Skin:	Will cause irritation to the skin, with effects including; redness, itching and drying/defatting.
Inhaled:	Mists from the product may cause irritation to the nose, throat and respiratory system with effects including; coughing, discomfort, breathing difficulty and shortness of breath.

CHRONIC

Prolonged or repeated skin contact may lead to dermatitis.
Prolonged eye contact may cause permanent eye damage.

Section 5: First Aid

FIRST AID

Swallowed:	If poisoning occurs, immediately contact a doctor or a Poisons Information Centre Tel 131 126 . Do NOT induce vomiting. Give 3 glasses of water.
Eyes:	In case of contact with eyes, flush immediately under running water (ensure eyelids are held open) for 15 minutes or until told to stop by a doctor or Poisons Information Centre. Immediately contact a doctor.
Skin:	Remove contaminated clothing immediately and wash skin thoroughly with soap and water. Seek medical advice if irritation persists.
Inhaled:	Remove from contaminated area. Apply artificial respiration if not breathing.
First Aid Facilities:	Eye wash. Normal washroom facilities.
Advice to doctor:	Treat symptomatically.

Section 6: Precautions for Use

Exposure Standards:	No exposure standards have been assigned to this product.
Engineering Controls:	Corrosive liquid. Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.
Personal Protection Equipment:	Gloves – Gauntlet length NBR or nitrile. Goggles – Chemical goggles or faceshield to protect eyes. Respiratory Protection – Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. The use of half-face P1 (dust/mist)respirator with replaceable filters is recommended.
Flammability:	Not flammable or combustible.

Section 7: Safe Handling Information

Storage & Transport:	Store in a cool place and out of direct sunlight. Store away from strong acids. Store away from possible contact with non-ferrous metals. Keep container sealed when not in use. Store locked up and out of reach of children. Only store in the original container as supplied by the manufacturer.
Spills and Disposals:	Large Spills - Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labeled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. Small Spills - Flush away with copious amounts of water.
Fire/Explosion Hazard:	Use dry chemical, foam or water fog. Wear full body protective clothing with self contained breathing apparatus (SCBA) and protective gloves. Prevent by any means available to prevent any spillage entering a watercourse.

Section 8: Stability and Reactivity

Stability:	Stable under normal conditions of use.
Hazardous Decomposition Products:	Emits choking and corrosive fumes when heated to decomposition.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong acids, ethylene glycol, reducing agents (fuels, oils, etc) and non-ferrous metals.
Conditions to avoid:	High temperatures and incompatibilities.

Section 9: Toxicological and Ecological Information

Toxicological Information:	There is no toxicological information for the product Chlorosan however for the ingredient: <u>Sodium Hypochlorite</u> Oral LD50 (rat): 3000 – 5000 mg/kg Dermal LD50 (rabbit): >2000mg/kg Causes burns to eyes and skin
Ecological Information:	There is no ecological information for the product Chlorosan, however for the ingredient: <u>Sodium Hypochlorite</u> Aquatic Toxicity: Aquatic LC50 96 Hour (Bluegill): 0.6mg/L Aquatic LC50 48 Hour (Daphnia magna): 1mg/L

Section 10: Other Information

Contact Point:	Chief Technician Tel +612 4966 5516 Poisons Information Centre Tel 131 126
-----------------------	---

Note: This Material Safety Data Sheet has been compiled in accordance with the Worksafe code for the Preparation of Material Safety Data Sheets.

DISCLAIMER All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the control of Applied Products Australia and therefore the users are responsible to verify this data under their own particular conditions of use, applications and regulations to determine whether the product is suitable for their particular purpose and they assume all risks of their use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.