

**AGMAX INDUSTRIES LTD**  
**Chlorine**  
**SAFETY DATA SHEET**

Issue Date: September 09

**1. Product and Company Information**

**Product Name:** Agmax Chlorine  
**Proper Shipping Name:** Sodium Hypochlorite  
**Synonyms:**  
**Recommended Use:** Dairy, food, Beverage industries: Sanitising processing equipment  
**Manufacturer:** Agmax Industries Limited  
**Address:** 47 Allens Road, East Tamaki, Manukau City 2141, Auckland  
**Telephone Number:** 09 271 5290  
**Facsimile Number:** 09 271 5293  
0508 524 824 Monday – Friday 8:00 am – 5:00 pm  
**NZ Emergency Number:** 0800 243 622 (24 hours)  
**Website:** [www.agmax.co.nz](http://www.agmax.co.nz)  
**Email:** [info@agmax.co.nz](mailto:info@agmax.co.nz)

**2. Hazards Identification**

**Dangerous Goods** Class: 8 UN No. 1791  
Hazchem: 2X

Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on land

**HSNO Classification and** 6.1E, 8.2C, 8.3A, 9.1B,  
**Hazard Statements:** 6.1E Acutely Toxic Substance (Medium Hazard)  
H303 Harmful if swallowed  
H333 May be harmful if inhaled  
8.2C Dermal corrosive (skin)  
H314 Causes severe skin burns and eye damage  
8.3A Ocular corrosive (eye)  
H318 Causes serious eye damage  
9.1B Ecotoxic in the aquatic environment  
H411 Toxic to aquatic life with long lasting effects

**Prevention Statements:**

- P102 Keep out of reach of children  
 P103 Read label before use  
 P260 Do not breathe fume / mist / vapours or spray  
 P264 Wash hands thoroughly after using  
 P273 Avoid release into the environment.  
 P280 Wear protective gloves and clothing

**Response Statements:**

- P101 If medical advise is needed, have product container or label at hand  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P3023+P361+P353 IF ON SKIN: remove all contaminated clothing. Rinse with water / shower  
 P363 Wash contaminated clothing before re-use  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.  
 P304+P340 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell  
 P310 Immediately call POISON CENTER or doctor/physician  
 P321 Specific treatment (refer First Aid section of the label)  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water  
 P312 Call a POISON CENTER or doctor/physician if you feel  
 P322 Specific measures (see First Aid section on the label)  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P391 Collect spillage

**Storage statements:**

- P405 Store locked up

**Disposal Statement:**

- P501 Dispose of empty containers safely in accordance with local regulations.

**3. Composition / Information on Ingredients**

**Apperance:** Pale Yellow – Green liquid

<b>CAS No:</b>	<b>7732-18-5</b>	Water	>60%
	<b>7681-52-9</b>	Sodium Hypochlorite	10 -<30%
	<b>1310-73-2</b>	Sodium Hydroxide	<1%

**4. First Aid Measures**

**If medical advice is needed, have product container or label on hand**

- Ingestion:** Immediately rinse mouth with water. If swallowed do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance
- Eye Contact:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information center or a doctor, or for at least 15 minutes.
- Skin Contact:** If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poison Information Center or a doctor.
- Inhalation:** Remove victim from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood – cyanosis) ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek medical advice.
- Note to Physician:** Treat symptomatically. Can cause corneal burns. delayed pulmonary oedema may result

**5. Fire-Fighting Measure:**

- Specific Hazards:** Product is non-combustible  
Decomposes on heating emitting toxic fumes, including those of chlorine. Fire Fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to products decomposition.
- Suitable Extinguishing Media:** Water – Spray or fog, foam, dry agent (carbon dioxide, dry chemical powder)

**6. Accidental Release Measures:**

- Spill Cleanup Methods:** Contain and remove, wearing protective gloves and safety glasses  
Use dry cleanup procedures. Wash area down with excess water

Avoid contamination of waterways.

#### 7. **Handling and Storage:**

**Handling:**

Corrosive – Non flammable

Avoid skin and eye contact and breathing vapour, mists, and aerosols. Keep out of reach of children.

**Storage:**

Store in a cool place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in section 10. Keep containers closed when not in use – check regularly for leaks

#### 8. **Exposure control / Personal Protection:**

**Exposure standards:**

No value assigned by NZ Occupational Safety and Health (OSH)

However, Exposure Standard(s) for decomposition product(s)

Chlorine: WES – TWA 0.5 ppm, 1.5 mg/m<sup>3</sup>

WES – STEL 1 ppm, 2.9 mg/m<sup>3</sup>

**Engineering controls:**

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing air supplied mask. Keep containers closed when not in use.

**Personal Protection:**

Wear overalls, chemical goggles, face shield, elbow-length impervious gloves, splash apron and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

#### 9. **Physical and Chemical properties:**

**Appearance and Odor:**

Pale Yellow- Green Liquid - Chlorine

**Solubility in water (g/l):**

miscible

**Specific Gravity:**

1.2 @ 20°C

**pH value:**

12.5

#### 10. **Stability and Reactivity:**

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatible with acids, metals, metal salts, peroxides, reducing agents and ethylene diamine tetraacetic acid.

**11. Toxicological Information:****Sodium Hypochlorite**

**Oral LD50** (mice) 5800 mg/kg  
**Eyes** (rabbit) Moderate irritant

**12. Ecotoxicity Information:**

Avoid contaminating waterways  
**Aquatic Toxicity:** (fish) 48hr LC50 0.07 – 5.9 mg/L

This material is biodegradable

**13. Disposal Considerations:****Container disposal:**

+ Refer to Waste Management authority. Dispose of material through licensed waste contractor.

**Product disposal:****14. Transport Information:**

**UN No.** 1791  
**Dangerous Goods Class:** 8 - Corrosive  
**Hazchem code:** 2X  
**Packing group:** III  
**Proper Shipping Name:** Hypochlorite Solution  
**Segregation:** Don't store with D.G classes 1, 5, 7, strong acids, food or food containers.

**15. NZ Regulatory Information:**

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) regulation 2001

**16. Other Information:**

New Zealand Poisons Information Center 0800 POISON (0800 764 766)

**Disclaimer:**

The data given relates to this product alone, and not to its use in conjunction with other substances or products. In such circumstances, assuming the combination is permitted, refer to product labels, be guided by the most hazardous of the substances involved and observe the more stringent hazard controls applicable.

The information contained in this Safety Data Sheet was obtained from current and reliable sources. The data is supplied without warranty, expressed or implied regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.