

SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION**SYNONYMS:****PROPER SHIPPING NAME:** Sodium Hypochlorite**CAS NUMBER:** 7681-52-9**UN NUMBER:** 1791**PRODUCT USE:** Dairy, food, Beverage industries: Sanitising processing equipment**SUPPLIER:** Agmax Industries Limited, 63b Allens Road, East Tamaki, 2013, Auckland
Telephone: +64 9 271 5290**24 H Emergency Contact:** 0800 243 622 (24 Hours)**Website:** www.agmax.co.nz**Email:** info@agmax.co.nz**SECTION 2 : HAZARDS IDENTIFICATION****STATEMENT OF HAZARDOUS NATURE**

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

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

Dangerous Goods: Class: 8 UN No. 1791

Hazchem: 2X

PICTOGRAMS**MPI:** MPI Approved for use in farm dairies**HSNO Classification and Hazard Statements:**

6.1E, 8.2C, 8.3A, 9.1B,

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 advice 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.

SECTION 3 : COMPOSITION

Appearance: Pale Yellow - Green liquid

Ingredient	CAS Number	Proportion
Water	7732-18-5	>60%
Sodium Hypochlorite	7681-52-9	10 -<30%
Sodium hydroxide	1310-73-2	<1%

SECTION 4 : FIRST AID MEASURES

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

SWALLOWED

Immediately rinse mouth with water. If swallowed do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

EYE

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.

SKIN

If spilt on large 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 Centre or a doctor.

INHALED

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 discolouration 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.

NOTES TO PHYSICIAN

Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result.

SECTION 5 : FIRE FIGHTING MEASURES**SPECIFIC HAZARDS**

Product is non-combustible, corrosive. 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.

EXTINGUISHING MEDIA

Water - Spray or fog, foam, dry agent (carbon dioxide, dry chemical powder)

SECTION 6 : ACCIDENTAL RELEASE MEASURES**EMERGENCY PROCEDURES/ENVIRONMENTAL PRECAUTIONS**

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

SPILL CLEANUP

Contain and remove, wearing protective gloves and safety glasses
Use dry clean-up procedures. Wash area down with excess water
Avoid contamination of waterways.

SECTION 7 : HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING**

Corrosive - Non flammable

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

STORAGE CONDITIONS

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.

SHELF LIFE

Use within 6 Months

SECTION 8 : EXPOSURE CONTROLS & 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/m³

WES - STEL 1 ppm, 2.9 mg/m³

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.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Pale Yellow- Green Liquid - Chlorine

PHYSICAL PROPERTIES

Miscible in water.

Specific Gravity: 1.2 @ 20°C

pH value: 12.5 (1% w/w)

SECTION 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.

SECTION 11 : TOXICOLOGICAL INFORMATION**Sodium Hypochlorite**

Oral LD50 No LD50 data available for the product.

For the constituent SODIUM HYPOCHLORITE: Oral LD50 (mice): 5800 mg/kg

EYE (rabbit) Moderate irritant

SECTION 12 : ECOLOGICAL INFORMATION

Avoid contaminating waterways

Aquatic Toxicity: (fish) 48hr LC50 0.07 - 5.9 mg/L

This material is biodegradable

SECTION 13 : DISPOSAL CONSIDERATIONS**Container disposal & Product Disposal**

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

SECTION 14 : TRANSPORT INFORMATION

UN No. 1791

Dangerous Goods Class: 8 - Corrosive

Hazchem code: 2X

SAFETY DATA SHEET

AGMAX CHLORINE

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.

SECTION 15 : REGULATORY INFORMATION

HSNO Approval Number

HSR004692

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

SECTION 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.

Amendments: Updated formatting and reviewed data.

***DISCLAIMER:** The information contained in this safety data sheet was obtained from current and reliable sources. This 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.*