

**AGMAX INDUSTRIES LTD**  
**Vat Cleaner**  
**SAFETY DATA SHEET**

Issue Date: September 2014

**1. Product and Company Information**

**Product Name:** Vat Cleaner

**Proper Shipping Name:** Sodium Hypochlorite (5% chlorine)

**Synonyms:**

**Recommended Use:** Removal of protein deposits from farm milk vat surfaces

**Manufacturer:** Agmax Industries Limited

**Address:** 63b 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

**HSNO Approval:** HSR002526 Packing: III

**HSNO Classification and Hazard Statements:**

**6.1E** Acutely Toxic Substance

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

**8.1A** Corrosive to Metals (High Hazard)

H290 May be corrosive to metals

**8.2C** Corrosive to Derma Tissue (Medium Hazard)

H314 Causes severe skin burns and eye damage

**8.3A** Corrosive to Occular Tissue (High Hazard)

H318 Causes serious eye damage

**Prevention statements:**

P102 Keep out of reach of children

P103 Read label before use.

P234 Keep in original container.

P260 Do not breathe mist/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves, protective clothing and eye/face protection.

**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.
- P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink plenty of water/milk, then drink vegetable oil or olive oil.
- P303+P361+P353 IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 Immediately call a POISON CENTER or doctor/physician.
- P331 Do NOT induce vomiting.
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.

**Storage statements:**

- P405 Store locked up.
- P406 Store in corrosive resistant (possibly stainless steel) container with a resistant liner.

**3. Composition / Information on Ingredients**

- Appearance:** Clear liquid gel with a faint yellow tint
- CAS No:** **7681-52-9** Sodium Hypochlorite <50%
- 7732-18-5** Water <50%
- Sodium Chloride, surfactants (to 100%)

**4. First Aid Measures**

- Ingestion:** Call Doctor. Rinse Mouth then give a glass or two of water or milk then vegetable oil or olive oil, DO NOT induce vomiting. If breathing stops start mouth to nose resuscitation. Arrange urgent transport to hospital.
- Eye Contact:** Wash eye with gently running water for at least thirty minutes. Do not rub the eye. Cover with sterile dressing. Seek medical attention immediately.
- Skin Contact:** Quickly remove contaminated clothing. Wash skin with large quantities of water. Bathe affected areas in warm saline solution. Seek medical attention.
- Inhalation:** Remove the casualty from further contamination.
- Note to Physician:** Treat symptomatically.

**5. Fire-Fighting Measure:**

**Specific Hazards:** Nil – not combustible. Decomposes on heating, emitting toxic fumes.  
Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.  
Electrical conductor.

**Suitable**

**Extinguishing Media:** Water fog (or if unavailable fine water spray), foam, dry chemical powder.

**6. Accidental Release Measures:**

**Spill Cleanup Methods:** Contain and absorb. Avoid contamination of waterways. Small quantities can be neutralized with citric acid provided the area is (can be) well ventilated, and washed to drain with large quantities of water.  
Electrical conductor – isolate power in case of spills.

**7. Handling and Storage:**

**Handling:** Corrosive – Non flammable  
Avoid spilling, skin and eye contact. Wear protective clothing, including elbow length PVC gloves and suitable eye protection.  
Use with adequate ventilation – avoid creation and inhalation of aerosols.  
After use wash hands before eating, drinking or smoking.  
Do not handle broken packages unless wearing appropriate personal protective equipment.

**Storage:** Do not store with D.G classes 1,5,7, strong alkalis, food or food containers.  
Store in original container, tightly closed, away from foodstuffs and out of reach of children.

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

**Exposure standards:** **Chlorine** WES-TWA 0.5 ppm, 1.5mg/m<sup>3</sup> WES-STL 1 ppm, 2.9 mg/m<sup>3</sup>

**Engineering controls:** Use with adequate ventilation – avoid creation and inhalation of aerosols.

**Personal Protection:** Use elbow length PVC gloves and suitable eye protection.  
Use appropriate breathing protection.

**9. Exposure control / Personal Protection:**

**Appearance and Odour:** Clear Gel with a faint yellow tint, Chlorine

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

**Specific Gravity:** 1.10  
**pH value:** 12.5 – 13.5

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

**Stability:** Stable under normal ambient and anticipated storage and handling conditions.  
Incompatible with acids, peroxides, reducing agents and metal salts  
Reacts **explosively** with amines and methanol.  
Chlorine component degrades over a short period (6 months)

#### 11. **Toxicological Information:**

**General:** Corrosive and damaging to tissue. May be harmful if ingested, inhaled, gets in eyes or absorbed through skin.  
**Ingestion:** Corrosive. Burns in/around the mouth and digestive tract.  
**Eye Contact:** Severe irritant – corrosive to the eyes. Can cause corneal burns.  
Contamination can result in permanent injury.  
**Skin Contact:** Irritant, corrosive.  
**Inhalation:** Potentially toxic/corrosive – avoid creating aerosols or mists.  
Limit exposure to fumes to 5 – 7 minutes.

#### 12. **Ecotoxicity Information:**

Avoid contaminating waterways  
Toxic to aquatic organisms 48hr LC50 (fish) 0.07 – 5.9 mg/L  
For SODIUM HYPOCHLORITE

#### 13. **Disposal Considerations:**

**Container disposal:** Dispose of empty containers safely in accordance with local regulations.  
Triple rinse containers when empty, Add rinsings to use solutions.  
Avoid contamination of natural water supplies with chemical or empty container.  
After cleaning, all existing labels should be removed.

**Product disposal:** Adjust the pH to neutral with citric acid, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the aqueous solutions down the drain with plenty of water.  
The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of addition and good ventilation.

#### 14. **Transport Information:**

**UN No.** 1791  
**Dangerous Goods Class:** 8 - Corrosive

<b>Hazchem code:</b>	2X
<b>Packing group:</b>	III
<b>Proper Shipping Name:</b>	HYPOCHLORITE Solution
<b>Segregation:</b>	Don't store with D.G classes 1, 5, 7, strong acids, food or food containers.

**15. NZ Regulatory Information:**

<b>ERMA Approval Code:</b>	<b>HSR002526</b>
<b>Group Standard:</b>	Cleaning Products (Corrosive)
<b>MPI Approval</b>	<b>MPI approval for use in farm dairies</b>
<b>HSNO Controls:</b>	<b>Trigger quantities for this substance by itself in a place</b>

<b>Approve handler test certificate:</b>	<i>Not required</i>
<b>Hazardous substance location:</b>	<i>Not required</i>
<b>Location Test certificate:</b>	<i>Not required</i>
<b>Hazardous Atmosphere Zone:</b>	<i>Not required</i>
<b>Emergency Plan:</b>	<i>100 ltrs</i>
<b>Tracking:</b>	<i>Not required</i>
<b>Warning Signs:</b>	<i>1,000 lres</i>
<b>Record of application or discharge:</b>	<i>Not required</i>

**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.