

AGMAX INDUSTRIES LIMITED
Maximum Acid
SAFETY DATA SHEET

Issue Date: September 2014

1. Product and Company Information

Product Name: Maximum Acid

Proper Shipping Name: Phosphoric Acid solution

Synonyms: Dairy Acid

Recommended Use: Low Foam Acid detergent sanitizer

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

Email: info@agmax.co.nz

2. Hazards Identification

Dangerous Goods 8 UN No.: 1805

Packaging Group III

6.1D, 8.1A, 8.2C, 8.3A, 9.1D, 9.3C

HSNO Classification and Hazard Statements:

6.1D Acutely Toxic Substance (Medium Hazard)

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 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

9.1D Ecotoxic in the Aquatic Environment (Low Hazard)

H413 May cause long lasting harmful effects to aquatic life

9.3C Ecotoxic to Terrestriail Vertebrates (Medium Hazard)

H433 Harmful to terrestrial vertebrates.

Prevention statements:	P102	Keep out of reach of children	
	P103	Read label before use.	
	P104	Read safety data sheet before use.	
	P234	Keep in original container.	
	P260	Do not breathe mist/spray.	
	P264	Wash hands thoroughly after handling.	
	P270	Do not eat, drink or smoke when using this product.	
	P271	Use only outdoors or in a well ventilated area.	
	P273	Avoid release to the environment.	
	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.	
	P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.	
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately dilute with 120 – 240 mL of water or milk.	
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.	
	P303+P361+P353	IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water.	
	P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.	
	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.	
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.	
	P330	Rinse mouth.	
	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.

Appearance:	Yellow liquid
CAS No:	7664-38-2 Phosphoric Acid <40%
	7732-18-5 Water < 60%
	Surfactants, dye (to 100%)

4. **Composition / Information on Ingredients**

Ingestion: Call Doctor. Rinse Mouth then give a glass or two of water or milk, DO NOT induce vomiting unless medical assistance is delayed by 15 minutes (take care to avoid patient inhaling stomach contents). 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 soda ash 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:**

TWA 1mg/m³ – product is mainly used outside.

PEL 1mg/m³

Engineering controls:

Use with adequate ventilation – avoid creation and inhalation of aerosols.

Personal Protection:

Use elbow length PVC gloves and suitable eye protection.

9. Exposure control / Personal Protection:**Appearance and Odour:**

Yellow Liquid

Solubility in water (g/l):

Fully miscible

Specific Gravity:

1.21

pH value:

2.8

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

Stable.

Incompatible with strong Alkalis, powdered metals, iron containing compounds.

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.

Oral – rat LD₅₀ 1530 mg/kg

Eye Contact:

Strong irritant – corrosive. Intense pain in the eye, Tightly closed. Reddened, swollen or watering excessively. Can't stand light.

Skin Contact:

Irritant, corrosive.

Skin – Rabbit LD₅₀ 2740 mg/kg

Inhalation:

Unlikely – potentially toxic/corrosive – avoid creating aerosols or mists.

Inhalation – Rat LC₅₀ > 850 mg/m³/1h

12. Ecotoxicity Information:

Ecotoxic in the aquatic environment – prevent loss into natural waterways

Ecotoxic to Terrestrial Vertebrates – secure from ingestion by animals

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 soda ash, 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.** 1805
- Dangerous Goods Class:** 8 - Corrosive
- Hazchem code:** 2R
- Packing group:** III
- Proper Shipping Name:** PHOSPHORIC ACID Solution
- Segregation:** Don't store with D.G classes 1, 5, 7, strong alkalis, food or food containers.

15. NZ Regulatory Information:

- ERMA Approval** HSR002526
- MPI Approval** MPI approved for use in farm dairies
- HSNO Controls:** 6.1D 8.1A 8.2C 8.3A 9.1D 9.3C

Trigger quantities for this substance by itself in a place

- Approve handler test certificate:** *Not required*
- Hazardous substance location:** *Not required*
- Location Test certificate:** *Not required*
- Hazardous Atmosphere Zone:** *Not required*
- Emergency Plan:** *1,000 ltrs*
- Tracking:** *Not required*
- Warning Signs:** *10,000 ltrs*
- Record of application or discharge:** *Not required*

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.