

**SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION**

**SYNONYMS:** Dairy Acid  
**PROPER SHIPPING NAME:** Phosphoric Acid solution  
**CAS NUMBER:** 7664-38-2  
**UN NUMBER:** 1805  
**PRODUCT USE:** Low Foam Acid detergent sanitizer

**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)

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**SECTION 2 : HAZARDS IDENTIFICATION**

**STATEMENT OF HAZARDOUS NATURE**

Classified as Hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms legislation.

**PICTOGRAMS**



**HSNO Classification and Hazard Statements:**

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

**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 Ocular Tissue (High Hazard)**

H318 Causes serious eye damage

**9.1D Ecotoxic in the Aquatic Environment (Low Hazard)**

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H413 May cause long lasting harmful effects to aquatic life

### 9.3C Ecotoxic to Terrestrial 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.

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## Storage statements:

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

## SECTION 3 : COMPOSITION

**Appearance:** Yellow liquid

Ingredient	CAS Number	Proportion
Phosphoric Acid	7664-38-2	<40%
Water	7732-18-5	<60%
Surfactants, dye		to 100%

## SECTION 4 : FIRST AID MEASURES

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

Refer First Aid instructions on label

### SWALLOWED

If Swallowed: 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.

**Immediately call a POISON CENTER or doctor/physician**

Never give anything by mouth to an unconscious person.

### EYE

If in Eyes: Wash eye with gently running water for at least thirty minutes. Do not rub the eye. Cover with sterile dressing. Seek medical attention immediately. Immediately call a Poison Centre or doctor/physician.

### SKIN

Skin Contact: Quickly remove contaminated clothing. Wash skin with large quantities of water. Bathe affected areas in warm saline solution. Seek medical attention. Immediately call a Poison Centre or doctor/physician. Wash contaminated clothing and shoes before reuse.

### INHALED

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply resuscitation if victim is not breathing. Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device. Administer oxygen if breathing is difficult.

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### NOTES TO PHYSICIAN

Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved and take precautions to protect themselves. Treat symptomatically and supportively.

## SECTION 5 : FIRE FIGHTING MEASURES

### GENERAL MEASURES

If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers.

### FLAMMABILITY CONDITIONS

Non-combustible. Material does not burn. Decomposes on heating, emitting toxic fumes.

### EXTINGUISHING MEDIA

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

### FIRE AND EXPLOSION HAZARDS

Fire fighters to wear self-contained breathing apparatus if risk or exposure to products of decomposition. Electrical conductor.

### HAZARDOUS PRODUCTS OF COMBUSTION

Fire or heat will produce irritating, toxic, and/or corrosive gases.

### SPECIAL FIRE FIGHTING INSTRUCTIONS

Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.

### PERSONAL PROTECTIVE EQUIPMENT

Wear self-contained breathing apparatus (SCBA) with a full face-piece, in positive pressure mode. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is recommended for fire situations ONLY - it is NOT effective for spills.

### FLASH POINT

No Data Available

### LOWER EXPLOSION LIMIT

No Data Available

### UPPER EXPLOSION LIMIT

NO Data Available

### AUTO IGNITION TEMPERATURE

No Data Available

### HAZCHEM CODE

2R

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****GENERAL RESPONSE PROCEDURE**

Ventilate enclosed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin and eyes

**CLEAN UP PROCEDURE**

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.

**CONTAINMENT**

Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Dike and clean up all spills immediately.

**DECONTAMINATION**

Small spills or residues can be flushed with plenty of water.

**ENVIRONMENTAL PRECAUTIONARY MEASURES**

Drains for storage or work areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.

**EVACUATION CRITERIA**

Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.

**PERSONAL PRECAUTIONARY MEASURES**

Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for spills.

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

Corrosive - Nonflammable

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.

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### STORAGE CONDITIONS

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.

### SHELF LIFE

Use within 5 Years

## SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

### EXPOSURE LIMITS

TWA 1mg/m<sup>3</sup> - product is mainly used outside.  
PEL 1mg/m<sup>3</sup>

### ENGINEERING CONTROLS

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

### EYE/FACE PROTECTION

Use safety glasses (with side shields).

### SKIN PROTECTION

Chemical protective gloves should be worn when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

### OTHER PROTECTION

Wear overalls, use elbow length PVC gloves and suitable eye protection.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Yellow Liquid

### PHYSICAL PROPERTIES

Fully miscible in water

Specific Gravity: 1.21

pH value: 2.8

## SECTION 10 : STABILITY AND REACTIVITY

Stable.

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

## SECTION 11 : TOXICOLOGICAL INFORMATION

### GENERAL

Corrosive and damaging to tissue. May be harmful if ingested, inhaled, gets in eyes or absorbed through skin.

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### SWALLOWED

Corrosive. Burns in/around the mouth and digestive tract.

### EYE

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

### SKIN

Irritant, corrosive.

Skin - Rabbit LD50 2740 mg/kg

### INHALATION

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

Inhalation - Rat LC50 > 850 mg/m<sup>3</sup>/1h

### CHRONIC HEALTH EFFECTS

No data available.

## SECTION 12 : ECOLOGICAL INFORMATION

### ECOTOXICITY

Ecotoxic in the aquatic environment - prevent loss into natural waterways

Ecotoxic to Terrestrial Vertebrates - secure from ingestion by animals

## SECTION 13 : DISPOSAL CONSIDERATIONS

### CONTAINER DISPOSAL

Dispose of empty containers safely in accordance with local regulations.

Triple rinse containers when empty, add rinsing 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.

## SECTION 14 : TRANSPORT INFORMATION

UN No.	1805
Dangerous Goods Class:	8 - Corrosive
Hazchem code:	2R

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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.

### SECTION 15 : 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*

### 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.

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