

Aqua Chem ® pH Add

Version:	1.1
Revision Date:	03/31/2009
Print Date:	07/30/2009

The recipient of this Safety Data Sheet is urged to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Aqua Chem ® pH Add
Product Use Description: Recreational Water Product
Chemical nature: Alkaline Salts
Registration number: 67262-50009, CALIFORNIA 67262-50028

Company: Recreational Water Products
AquaChem
P.O. Box 1449
Buford, GA
30515-1449

Emergency telephone: CHEMTREC (US Transportation) :
(800) 424-9300
(703) 527-3887
Poison Control Center (Medical) :
(877) 800-5553

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Customer Service: (800) 949-7946

Prepared by: Product Safety Department
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Form: granules
Colour: white
Odour: odourless

Causes eye irritation.
Causes skin irritation.
Harmful if swallowed.

OSHA Hazards:
THIS MATERIAL IS HAZARDOUS UNDER THE
CRITERIA OF THE FEDERAL OSHA HAZARD

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COMMUNICATION STANDARD 29CFR 1910.1200.

Avoid breathing dust.
May cause respiratory tract irritation.
Do not get in eyes, on skin, or on clothing.

Potential Health Effects

Primary Routes of Entry	Skin contact Inhalation Ingestion Eye contact
Inhalation	May cause respiratory tract irritation.
Skin	Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	Harmful if swallowed.
Chronic Exposure	None known.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration
sodium carbonate	497-19-8	100 %

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTRE or doctor/physician.
Skin contact	Rinse immediately with plenty of water for at least 15 minutes. Call a physician if irritation develops or persists.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a POISON CENTRE or doctor/physician.
Ingestion	Call a physician or poison control centre immediately. Have person sip a glass of water if able to swallow.

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Do not induce vomiting unless told to do so by the poison control center or doctor.
Do not give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : not applicable

Protective equipment and precautions for firefighters

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

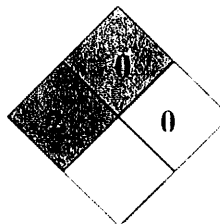
Hazardous decomposition products : Carbon dioxide is evolved at very high temperatures (1000C, 1832F) or when mixed with acids.

Further information : There are no unusual fire and explosion hazards known.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

Further information

NFPA Classification : Health Hazard: 2
Fire Hazard: 0
Reactivity Hazard: 0



SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".
Do not contaminate water, food or feed by storage or disposal or cleaning of

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equipment.

SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Mix only with water.
Use only clean and dry utensils.
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.
Do not handle until all safety precautions have been read and understood.

Storage

Requirements for storage areas and containers

Keep this product dry in its original container.
Keep tightly closed in a dry, cool and well-ventilated place.
Keep out of reach of children.
Keep away from animals.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Engineering measures

Ensure that eyewash stations and safety showers are close to the workstation location.
Use with adequate ventilation.

Personal protective equipment

Eye protection

Goggles
Safety glasses with side-shields

Hand protection

Wear rubber gloves.

Respiratory protection

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures

Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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Form	:	granules	
Colour	:	white	
Odour	:	odourless	
<u>Safety data</u>			
Flash point	:	not applicable	
pH	:	11.6 1% Solution	
Melting point/range	:	1,564 °F (851 °C)	
Boiling point/boiling range	:	not applicable	
Vapour pressure	:	Not Available	
Density	:	0.99 g/cm3	
Water solubility	:	330 g/l	
Relative vapour density	:	Not Available	
<u>SECTION 10. STABILITY AND REACTIVITY</u>			
Conditions to avoid	:	High temperatures. Poor ventilation. Contamination Moisture/high humidity.	
Materials to avoid	:	Avoid contact with water on concentrated material in the container. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Strong acids	
Hazardous decomposition products	:	<u>Type:</u> <u>Hazardous decomposition products</u> Carbon dioxide is evolved at very high temperatures (1000C, 1832F) or when mixed with acids.	
Hazardous reactions	:	Hazardous polymerisation does not occur.	
<u>SECTION 11. TOXICOLOGICAL INFORMATION</u>			
<u>Acute oral toxicity</u>	:	LD50 rat Dose: 4.090 mg/kg	
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Acute inhalation toxicity : LC50 rat
Exposure time: 2 h
Dose: 2.3 mg/l

Skin irritation : Causes skin irritation.

Eye irritation : Causes eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : May be toxic to fish.
May be toxic to aquatic organisms.
Do not flush into surface water or sanitary sewer system.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of waste material in compliance with all federal, state, and local regulations.
Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor.
Contact with incompatible materials could cause a reaction or fire.

Contaminated packaging : Do not re-use empty containers.
Rinse thoroughly before discarding in trash.
Offer rinsed packaging material to local recycling facilities.

SECTION 14. TRANSPORT INFORMATION

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

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SECTION 15. REGULATORY INFORMATION

National regulatory information:

- OSHA Hazards : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.
- SARA Hazard category : Acute Health Hazard

The components of this product are reported in the following inventories:

EINECS	y (positive listing)	On or in compliance with the inventory
TSCA	y (positive listing)	On TSCA Inventory
AICS	y (positive listing)	On or in compliance with the inventory
DSL	y (positive listing)	All components of this product are on the Canadian DSL list.
ENCS	y (positive listing)	On or in compliance with the inventory
KECI	y (positive listing)	On or in compliance with the inventory
PICCS	y (positive listing)	On or in compliance with the inventory
IECSC	y (positive listing)	On or in compliance with the inventory

Additional advice :

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is not a registered pesticide.

SECTION 16. OTHER INFORMATION

Further information

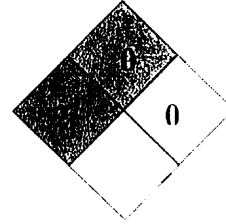
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NFPA Classification

Health Hazard: 2
Fire Hazard: 0
Reactivity Hazard: 0



HMIS Classification

Health Hazard: 2
Flammability: 0
Physical and chemical hazards: 0
PPI: Ask supervisor or safety specialist for handling instructions

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of the seller, it is the user's obligation to determine the conditions of safe use of the products.