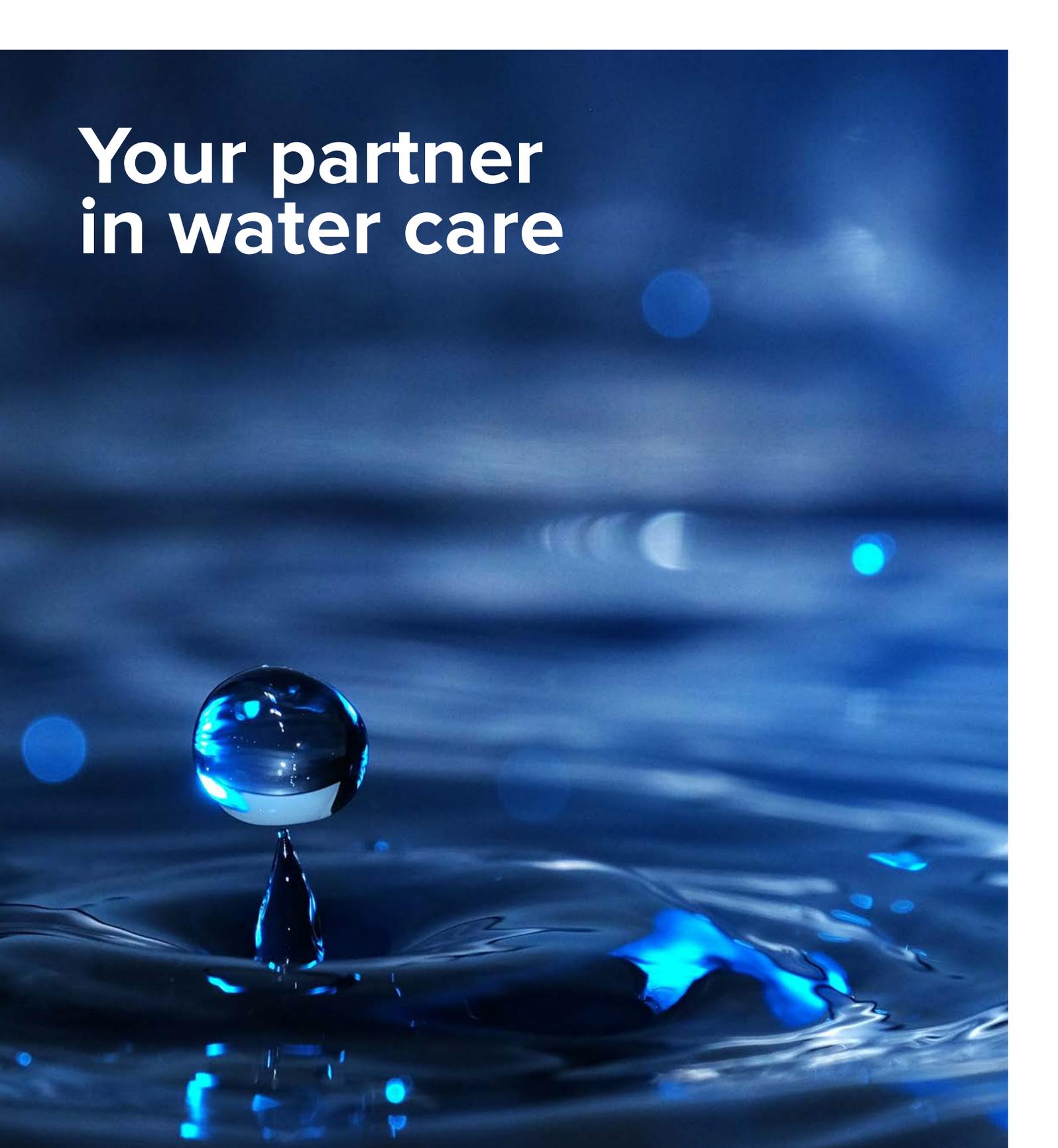


# Your partner in water care



**nowchem**  
watercare

When smarter chemistry matters

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## Welcome

Nowra Chemical Manufacturers, now known as Nowchem, was originally founded by John and Fay Lamont in 1977 with the primary goal of supplying Aluminium Sulphate to a small division of local customers. For the past 40 years we have grown to be a leading provider of water treatment chemicals throughout NSW and have provided many councils and large organisations with a variety of products for the treatment of water during this time.

The Nowchem focus is on creating cleaner living and this is achieved through our water division by helping turn waste water into clean water and providing safe and effective solutions for water management.



# Liquid Aluminium Sulphate - Alum

Aluminium Sulphate (Alum) is the most common flocculant used in the water treatment industry. Available in an 8% liquid solution in various pack sizes it helps make your water crystal clear.

Alum is cost effective to manufacture and purchase as opposed to other polymers/coagulants in the market place and it has a broad use range from pH 4-8. Nowchem uses Aluminium Trihydrate (refined bauxite) in the manufacturing

process which helps reduce Iron content and sludge levels in storage tanks. Alum manufactured using refined bauxite is a lighter colour than Alum made using cheaper unrefined bauxite due to Iron levels. Nowchem can easily ship small or large quantities of Alum to your site throughout NSW.

In recent years we have improved our manufacturing ability to be able to produce up to 120 tonnes of Alum per day and can store up to 240 tonnes on site.

Liquid Aluminium Sulphate - Alum	
Tanker Loads	4608
1000L IBC	NCALS1000
200L Drum	NCALS200
20L Drum	NCALS20
5L Bottle	NCALS5



## Poly Aluminium Chloride - PAC/PACL

Poly Aluminium Chloride, also known as Aluminium Chlorohydrate, is a coagulant of 83% basicity. It is safe for use in all waters and works well through a variety of temperatures and pH levels. It has a high Aluminium content, which reduces the quantity required for dosing when flocculating, hence reducing tank size and delivery frequencies required. Nowchem can provide PAC in 23% and 10% solutions for flocculation requirements as needed.

PAC is more effective than Alum in areas of very low temperatures, low pH levels or on the re-flocculation of potable water.

Poly Aluminium Chloride - 10%		Poly Aluminium Chloride - 23%	
1000L IBC	NCPAC101000	Tanker Loads	NCPAC23BULK
200L Drum	NCPAC10200	1000L IBC	NCPAC231000
20L Drum	NCPAC1020	200L Drum	NCPAC23200
		20L Drum	NCPAC2320

## Liquid Clarifier

Polyelectrolyte based metal free clarifier is used for the flocculation of water, dams and ponds. Highly versatile, it works well in large scale applications and natural environments as it improves the efficiency in filtration units and does not tend to strip biological nutrients as much as other metal based Aluminium or Iron based flocculants.

Liquid Clarifier	
200L Drum	NCLC200
20L Drum	NCLC20



## Sodium Hypochlorite - Liquid Pool Chlorine

Due to a strong chlorinating and oxidizing action, Sodium Hypochlorite has found usage in bleaching, disinfection and other general chemical applications. It is used extensively in domestic and commercial cleaning products and in water treatment applications.

Nowchem provides Sodium Hypochlorite as a standard 13% solution which is a class 8 dangerous good so should be handled and stored with care.

Sodium Hypochlorite	
Bulk Tankers	3430
1000L IBCs	NCSH1000
500L IBC	NCSH500
200L Drums	NCSH200
15L Drums	NCSH15
5L Bottles	NCSH5

Liquid Pool Chlorine - Recycled Drums	
200L Drums	NCLPC200
15L Drums	NCLPC15

## Sodium Hydroxide - Liquid Caustic

Liquid Caustic Soda (Sodium Hydroxide solution) is a reagent for a large number of applications. It is used in a broad range of industries including food and beverage manufacturing, pharmaceuticals, mining and water treatment. Nowchem can supply liquid caustic solution in various strengths for water treatment applications such as cleaning and pH correction.

We offer standard solutions of 50%, 30% and 25% and can also blend up a customised ratio to meet your requirements. We offer various pack sizes including full tanker loads, 1000L IBCs, 200L, and 15L options.

Sodium Hydroxide - 50%	
Bulk Tankers	2560
1000L IBCs	NCCS501000
200L Drum	NCCS50200
15L Drum	NCCS5015
5L Bottle	NCCS505

Sodium Hydroxide - 30%	
Bulk Tankers	6356
1000L IBCs	NCCS301000
200L Drum	NCCS30200
15L Drum	NCCS3015

Sodium Hydroxide - 25%	
Bulk Tankers	6357
1000L IBCs	NCCS251000
200L Drum	NCCS25200
15L Drum	NCSH200

## Caustic Soda Granular

Granular Caustic (Sodium Hydroxide) is also available in buckets and bags and can be used for various applications including cleaning, pH adjustment, unblocking drains and a wide variety of water treatment applications. Granular Caustic soda is often known to go hard as it is very hygroscopic and absorbs moisture from surrounding environment.

We offer Caustic Soda in Pearl and Flake types in pack sizes from 5kg up to 25kg.

Caustic Soda - 25%	
Caustic Soda Mini Pearl 25kg	NCCSMP25
Caustic Soda Powder 5kg	NCCSP5

## Sodium Carbonate - Dense Soda Ash

Dense Soda Ash can be added to large volumes of water for minor pH adjustment with ease. Soda Ash is a common alkali powder which can be blended easily into a solution. Solution strengths are limited by solubility to a maximum of between 10 to 20% depending on storage temperatures.

Soda Ash solutions are best suited where the doses are relatively small and a simple dosing system is required. Solutions are not classed as dangerous goods and are safe to handle. Nowchem holds over 7.5 tonnes of Soda Ash in stock and provide 25kg bags when requested.

### Sodium Carbonate - Dense Soda Ash

25kg Bags NCD5A25

## Sodium Bicarbonate

Sodium Bicarbonate is a powder which is most commonly used to raise alkalinity in water. Sodium Bicarbonate is also known as Bicarbonate of Soda and can be added to large volumes of water for minor pH adjustment (increase) with ease. Adjustments to large volumes of water occur a lot slower than those used with Sodium Hydroxide giving the operators greater control of balance.

Sodium Bicarbonate is commonly used in swimming pool chlorination and balance to help with maintaining a good water balance. The powder and mixed solutions are not classed as dangerous goods and are safe to handle. Nowchem holds 10 tonnes in stock and provide 25kg bags when requested.

### Sodium Bicarbonate

25kg Bags NCSB25

## Magnesium Hydroxide

Magnesium Hydroxide has found great use in treating industrial metal laden acidic wastewater, where, compared with caustic soda or lime, metals are removed at lower pH, and less sludge is produced. Magnesium Hydroxide is also extensively used by Municipal; water treatment facilities in both the USA and Europe and is considered by many, to be the most cost effective product used in odour control of Hydrogen Sulphide and for neutralisation and corrosion protection in sewerage systems.

Magnesium Hydroxide has a higher neutralizing value per dry kilo when compared with caustic and lime, which lowers chemical consumption, making Magnesium Hydroxide a cost competitive option due to the reduction in plant and equipment requirements.

Additionally, Magnesium Hydroxide is much safer to handle, as it is non-hazardous to humans and the environment, non-toxic and non-corrosive.

### Magnesium Hydroxide

1000L IBC NCMH1000

## Hydrochloric Acid - Muriatic Acid

Hydrochloric Acid is used in a wide variety of industries and processes and in some cases as a successful substitute in processes that would otherwise use Sulphuric Acid, due to waste disposal guidelines. The majority of its uses are based on its properties as a strong mineral acid. Hydrochloric Acid has a high odour, gives off vapour and is a class 8 dangerous good and should be handled with care.

Hydrochloric Acid is used widely in water treatment as an effective neutralization agent for alkaline (high pH) effluent. It is also regarded as a very suitable alternative to Sulphuric Acid in this application as a result of the inorganic by-products that are generated in this process. It is also used in some swimming pool purification systems. Hydrochloric Acid is primarily used when waste liquid may go to inland water systems or onto land for irrigation.

### Hydrochloric Acid - 32%

1000L IBCs NCHA321000

200L Drum NCHA32200

15L Drum NCHA3215

5L Bottle NCHA325

### Hydrochloric Acid - 15%

1000L IBCs NCHA151000

## Sulphuric Acid

Sulphuric Acid is a highly corrosive strong mineral acid. It has a pungent odour and can be used for a variety of applications in water treatment processes. It is primarily used as a pH balancing agent and also for CIP and membrane cleaning in the water treatment process. Sulphuric Acid is commonly found in lead acid batteries.

Nowchem uses many thousands of tonnes of Sulphuric Acid (in the manufacture of Aluminium Sulphate) each year and has large storage capacity of over 50 tonnes. We have common solutions available of 98%, 73%, 50% and 35% available in 1000L, 200L, and 15L sizing and also offer a 35% solution in a 5L bottle for smaller applications.

### Sulphuric Acid - 35%

1000L IBC NCSA351000

200L Drum NCSA35200

15L Drum NCSA3515

### Sulphuric Acid - 50%

1000L IBCs NCSA501000

200L Drum NCSA50200

### Sulphuric Acid - 73%

1000L IBCs NCSA731000

200L Drum NCSA73330

15L Drum NCSA7315

### Codes and Sizes - 98%

1000L IBCs NCSA981000

15L Drum NCSA9815

\*Bulk drops also available on request.



## Citric Acid

Citric Acid is a weak organic acid which is commonly used in the water treatment industry as a membrane cleaner. Citric Acid is a very mild acid which passivates steel very slowly and lightly descales particles on various surfaces. It is used for various applications such as pH correction and cleaning of membranes and

filtration media. Citric Acid is not classed as dangerous goods and is safe to handle. Citric Acid can be supplied in a solution form or an anhydrous powder. Solutions are common at 50% but can be made to suit if required.

Citric Acid - 50%	
1000L IBCs	NCCA501000
15L Drum	NCCA5015
200L Drum	NCCA50200
500L Drum	NCCA50500

Citric Acid - 40%	
1000L IBCs	NCCA401000

Citric Acid	
25kg	NCCA25

## Phosphoric Acid

Phosphoric Acid is an inorganic mineral acid used for a variety of processes. It can be used as a cleaner, a reagent, for rust conversion and is good at converting Iron Oxide into Ferric Phosphate. It is used for various applications such as pH correction, introduction of phosphates into

water and reduction of corrosion in water mains and is commonly sold as an 85% solution. It is a Class 8 dangerous good and has a fairly high specific gravity of approx. 1.7. Phosphoric Acid is a good source of nutrient in DAF's and other enzyme base systems that require pH adjustment.

Phosphoric Acid - 85%	
1000L IBCs	NCPA851000
200L Drum	NCPA85200
15L drum	NCPA8515
5L Bottle	NCPA855

## Potassium Permanganate

Potassium Permanganate is commonly used in water treatment applications as a remover of Iron and Hydrogen Sulfide in water. It is made as a 5% solution for ease of use. Potassium Permanganate oxidizes Iron, Manganese and Hydrogen Sulfide (rotten egg gas) into particles which can then be removed and filtered out of the water

Potassium Permanganate	
1000L IBCs	NCPOP1000
200L Drum	NCPOP200

## Acetic Acid

Acetic Acid is an organic compound commonly used in the Waste Water Treatment Process and is utilised in some treatment plants for Biological Nutrient Removal. The Acetic Acid is effective in helping

reduce phosphorus levels via phosphate accumulating organisms in certain types of process plants. Acetic Acid can also be diluted to clean membrane type filters.

Acetic Acid - 75%	
1000L IBCs	NCAA751000
200L Drum	NCAA75200



## Activate Enzyme Cleaner

This product contains Enzymes to promote biological growth in drains, sewers, sludge ponds and other areas where biological growth aids result in odour reduction. Activate also contains natural Eucalyptus oil to mask odours during this process leaving a fresh natural scent

whilst the product does the work. Activate is great for unblocking drains which contain build ups of fats and other plant matter and is perfect for septic tanks and biocycle systems in reducing odours.

Activate Enzyme Cleaner	
20L Drum	NCAEDC20
5L Bottle	NCAEDC5
12 x 1L Bottles	NCAEDC12

## ONA - Odour Neutralising Agent

This product is designed for misting systems where odour suppression is used. ONA is a highly concentrated product for reducing malodors in various areas including waste plants, sewerage systems, wet wells and septic systems and is highly diluted in use. Available in 2 scent options.

ONA - Odour Neutralising Agent	
20L Drum (Lemon)	NCONAL20
20L Drum (Fruity)	NCONA50W20

## Speciality Blends

Nowchem has a large manufacturing facility with over 50 mixing vessels and reactors for manufacturing chemicals. Nowchem can also blend up specialty solutions at customised strengths to meet your dosage requirements.

Please keep in mind there are minimum volume requirements for these options. Please speak to one of our representatives for further details or head to [www.nowchem.com.au](http://www.nowchem.com.au) to make your enquiry.

## Safety and Compliance

Nowchem provides Safety Data Sheets for all our products to our customers. We are happy to collate and provide them in a booklet or you can visit our website at [www.nowchemwatercare.com.au/msds/](http://www.nowchemwatercare.com.au/msds/) for printable or downloadable versions.

Nowchem also carries out inspections on all bulk delivery sites over 1000L free of charge to help ensure safety and compliance of bulk storage facilities. We can assist with signage and other items such as storage tanks, safety showers and bunding to assist with safe conditions for delivery and operator safety.



## Granular Pool Chlorine - Calcium Hypochlorite

Granular Pool Chlorine or Calcium Hypochlorite is a great source for providing pool water with the chlorine it requires for correct sanitation. Calcium Hypochlorite can also be provided in a stabilised granular chlorine (Trichloro or Dichloroisocyanuric Acid) to prevent UV rays from reducing chlorine levels. Granular Pool

Chlorine can be used in commercial and domestic pools and can be dosed manually or via granular feed units such as Granulose chlorinators. Nowchem provides high grade USA or Japanese quality Calcium Hypochlorite to ensure premium sanitation.

Granular Pool Chlorine - Calcium Hypochlorite	
2kg (stabilised)	WPQSC2
4kg Granular	WPQ7004
10kg Granular Premium	WPQ70010
10kg Granular Economy	WPQPC70010
20kg Granular Premium	WPQ70020
Granu-Chlor 700 (Double dried)	IQGR6010IQ

## Chlorine Tablets

Calcium Hypochlorite tablets provide a consistent dose of chlorine and are ideal in many applications as this limits the amount of dosing required. Tablets are available for many applications including watertanks

and septic treatment systems and also stabilised versions (Trichlorisocyanuric Acid) for swimming pools.

Chlorine Tablets	
25kg drinking water grade	BULKTAB300
2kg pool grade stabilised	WPQST2
10kg pool grade stabilised	WPQST10

## Sodium Bisulphate - Dry Acid

Sodium Bisulphate is a granular powder which is highly effective at lowering alkalinity levels in swimming pools. Often referred to as Dry Acid, Sodium Bisulphate

is easy to dose in powder form and is a lot safer for operators to handle than Hydrochloric or Sulphuric Acid solutions.

Sodium Bisulphate - Dry Acid	
3kg	WPQPHD3
25kg	NCA25

## Chlorine Dioxide Precursor C-5 Tablets

C-5 Tablets are a blend of precursor chemicals which when added to pool water forms Chlorine Dioxide, ideal for elimination of Cryptosporidium and Chloramines. Using C-5 tablets means there is little "down time" of

the swimming pool as there is no need for Chlorine reduction after use.

Chlorine Dioxide Precursor C-5 Tablets	
10kg Tablets	IPCT5100

## Algicide

Swimming Pool Algicide is great for the prevention and removal of algae based growths in swimming pools. Algicide is made using high levels of Quaternary Ammonium Chloride (quat) compounds and is highly effective at controlling algae in pools. Algicide is also effective at winterising your pool to ensure that algae growths are minimal during winter months when pool usage is slightly lower due to colder temperatures. Nowchem has Algicide available in 20L & 5L sizes

## Black Spot Remover

Black Spot remover is a Copper Chloride blend specifically designed for the removal of troublesome black algae in swimming pools. Often black algae is hard to treat with standard chlorination or Algicide so a different type of product is required to treat the growth.

It is best when applied directly to the algae even when underwater by directly pouring into a sponge or like object and placing on the algal growth.

Algicide	
20L Drum	NCALG20
5L Bottle	NCALG5

Black Spot Remover	
5L Bottle	NCBSR5
1L Bottle	NCBSR1



## Swimming Pool Salt

Swimming Pool Salt is available for those pools which run salt water chlorination systems where electrolysis generates Chlorine from salt. Nowchem can provide

25kg bags of Swimming Pool Salt for those pools that run salt water chlorination systems. Nowchem can also provide cleaners for the salt cells of these systems.

Swimming Pool Salt	
25kg	NCP525

## Isocyanuric Acid - Stabiliser

Isocyanuric Acid forms a weak bond with free chlorine in the pool water, protecting it from the sun's ultraviolet rays to reduce chlorine loss. Properly managed, Isocyanuric Acid has been shown to reduce the amount of chlorine needed to maintain the

minimum chlorine residual in an outdoor pool. In outdoor pools with a moderate bather load, Isocyanuric Acid can significantly reduce the cost for chemical disinfection.

Isocyanuric Acid - Stabiliser	
25kg	NCA25
2kg	WPQBO2

## Calcium Chloride

Calcium Chloride is effective at increasing the water hardness levels in swimming pools. It has an extremely hygroscopic nature and is a non-dangerous good.

Calcium Chloride can help to reduce the erosion levels in concrete pools by reducing the dissolution of the calcium compounds in the concrete structure.

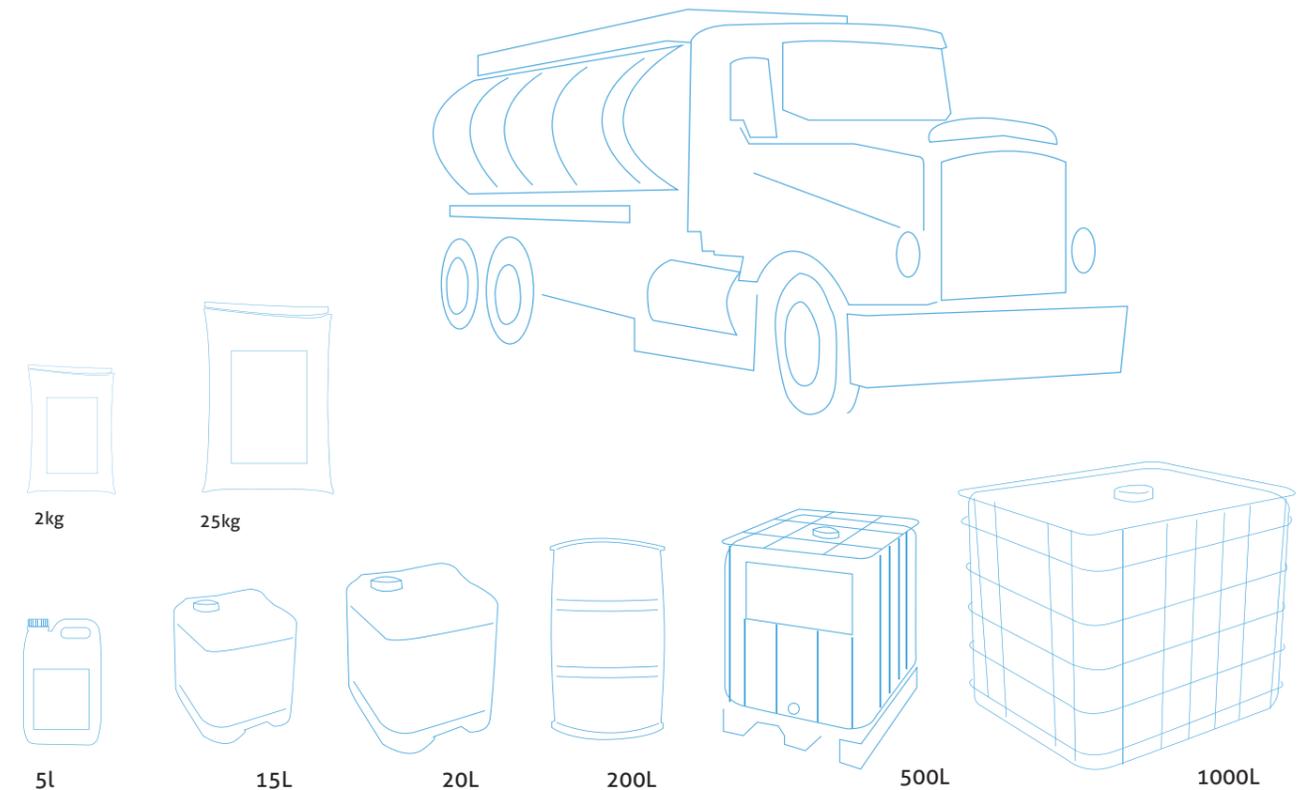
Calcium Chloride	
25kg	NCCC25
20L Drum (Liquid)	NCCC20



## Transportation & Delivery

Nowchem offers a large range of delivery options and pack sizes from full tankers to Intermediate

Bulk Containers (IBC), 200L Drums, 20 and 15 Litre containers and 5L Bottles.



## Storage Tanks

These are available from 700L to 20,000L to meet various plant needs. Nowchem will help determine the most economical delivery size and storage options to allow the chemicals to be stored onsite in an effective manner.

## Cleaning Products

Nowchem also makes a wide variety of cleaners, detergents, disinfectants and other specialty chemicals to help keep amenities clean and tidy. Ideal for treatment plants, leisure centres, caravan parks and other council amenity facilities, Nowchem has a

great range of products to help meet your everyday cleaning requirements. Nowchem also carries hand care and paper products from the world's leading manufacturers. Visit [www.nowchem.com.au](http://www.nowchem.com.au) for details.



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