QUALITY CLEANS.

Oxone™ Monopersulfate Compound for Pool & Spa
Enjoy crystal-clear water that´s easy to maintain.

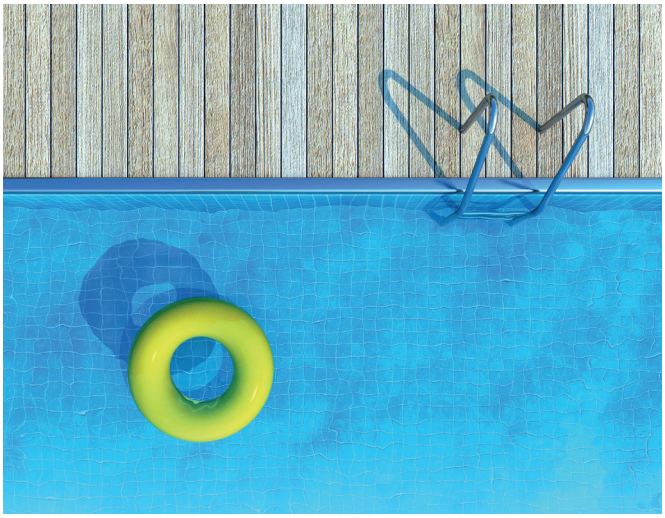
Oxone™

QUALITY WORKS.

LANXESS
Energizing Chemistry

Oxone™ Monopersulfate Compound is a powerful shock oxidizer for swimming pools and spas.

Crystal clear water is a top priority of pool and spa owners. Oxone™ Monopersulfate Compound, when used weekly as a preventative shock oxidizer treatment in conjunction with your regular pool or spa water maintenance, helps to keep your water sparkling clear, while reducing odors and irritants. Oxone™ oxidizing shock has been widely used in swimming pools and spas since the 1970s. Today Oxone™ Monopersulfate Compound is the most widely used non-chlorine oxidizer for pools and spas on the US market.



Why Oxone™ Monopersulfate Compound?

When used as part of your pool or spa water treatment system, Oxone™ chemistry offers numerous benefits:

Helps to keep your water crystal clear

Many non-microbial contaminants from swimmers and the environment can accumulate and cause your pool or spa to become dull, cloudy and unattractive. Regular weekly shock oxidation with Oxone™ Monopersulfate Compound maintains sparkle and clarity by oxidizing organic contaminants such as sweat, urine, sunscreen, wind-blown debris, etc. Once oxidized, contaminant particles combine more readily into larger particles that are easily removed by the pool filter. This process of oxidation, flocculation and filtration is the underlying workhorse that removes contaminants, keeping the water sparkling clear.

Reduces odors and irritation

The harsh smell from some swimming pools, especially indoor pools, is caused by chloramines. Chloramines (often called combined chlorine) are formed when the chlorine "combines" with ammonia or organic matter in the water. Chloramines come in many forms, some of which migrate into the air space and create strong, chlorine-like odors, while others remain in the water. Chloramines can cause eye and skin irritation, which is a common complaint among swimmers. Using products containing Oxone™ oxidizing shock regularly helps to remove organic contaminants before they can react with chlorine to form chloramines. This means more enjoyable swimming without burning eyes, irritation and chloramine odors. The pool industry is beginning to recognize that too much chlorine can be detrimental, and this new thinking is creating opportunities to improve pool water quality and reduce swimmer irritation.

Treat and swim in 15 minutes

Superchlorination raises chlorine concentrations above most acceptable upper limits, and swimming is not recommended until the chlorine concentration returns to safe levels. Chlorine-free supplemental oxidizers containing Oxone™ Monopersulfate Compound provide useful oxidation without raising chlorine concentrations, so you only need to wait for the product to dissolve and spread through the water before swimmers can return to the pool. This is a high value benefit in residential pools, but can be just as important in public pools, as there will be less downtime and more time to enjoy the pool. Therefore, when the pool or spa is not in use, simply disperse Oxone™ Monopersulfate Compound into your pool or spa and circulate the water for 15 minutes. Oxone™ powder dissolves quickly and completely, and will mix rapidly with pool water.

Reduces chlorine usage

Chlorine should be used where it adds value, but the practice of over-applying chlorine should be eliminated where it causes problems. The goal is to have better, more responsible use of chlorine. Adding a chlorine-free, supplemental oxidizer containing Oxone™ Monopersulfate Compound to the treatment program for regular oxidation is an easy way to reduce the total amount of chlorine used to treat the pool. Such a program provides useful oxidation without raising chlorine and dramatically reduces chloramines, chloramine odors and irritation. Oxone™ chemistry helps to reduce and remove organic contaminants leaving the chlorine applied for sanitation free to sanitize the pool. As a result, the chlorine disinfectant lasts longer and works better.

Advantages of Oxone™ Monopersulfate Compound versus other treatment products

Oxone™ products will not spike the chlorine level.
With Oxone™ Monopersulfate Compound you can oxidize and reopen for swimming in as little as 15 minutes. With chlorine 'shock treatment' you must wait until the chlorine level falls to an acceptable level, e.g. 4 ppm or lower (depending on local regulations) – and this can take hours.

Oxone™ products will not increase the concentration of cyanuric acid. Some chlorine products, including dichlor and trichlor, contain cyanuric acid to stabilize the chlorine. Since Oxone™ chemistry does not contain cyanuric acid, it will not raise your cyanuric acid 'stabilizer concentration'.

Oxone™ products will not increase calcium hardness level.
Routine use of calcium hypochlorite will increase the calcium concentration in the pool. Oxone™ products do not contain calcium and will not increase the calcium level in the pool.

Oxone™ products do not cloud the water.
Some treatments cause your pool to become hazy. This haze can last several hours. Oxone™ oxidizing shock dissolves quickly and clearly, with no hazy or cloudy water.

Ideal for salt water pool systems

Salt water chlorine generators are a popular choice for many pool operators. With salt water systems chlorine does not need to be purchased because chlorine is generated right in the pool. However, oxidation of the organic contaminants is still necessary. Most manufacturers suggest oxidation at least once per week. Salt water chlorine generators are usually equipped with a "shock mode" to temporarily increase chlorine output. However, the down side of using the chlorine generator "shock mode" may include:

- Too much chlorine, sometimes exceeding the maximum level established by the local regulating authorities. In the US, for example, swimmers should not re-enter the pool until the free chlorine level drops below 4 ppm, which can take several hours, or even overnight.
- Increased formation of chloramine, and other combined chlorine compounds.
- Increased wear on chlorine generator and shorter generator cell life.

These issues can be avoided by using Oxone™ products. A weekly treatment of 120 grams of Oxone™ product per 10,000 litres (1lbs per 10,000 gal) will replace using "shock mode" on the generator. Using Oxone™ chemistry in a salt water pool will keep the water sparkling, save wear and tear on the expensive generator, and get you back in the water quickly.

Oxone™ NSF/ANSI/CAN 50 certification

NSF/ANSI/CAN 50 - Equipment for Pools, Spas, Hot Tubs, and Other Recreational Water Facilities establishes criteria for performance validation, operational safety, and testing of pool and spa products. Certification to this standard is mandatory under the Model Aquatic Health Code and is a requirement for most U.S. state and local pool codes.

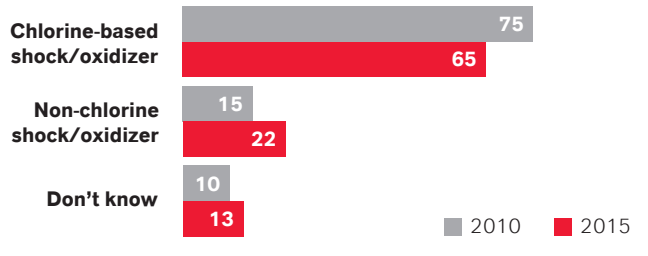
NSF has certified Oxone™ products manufactured at the Memphis, TN facility for health effect requirements of NSF/ANSI/CAN 50.
See NSF.org for further details.

Certified to NSF/ANSI/CAN 50

Survey shows pool owners are drifting away from chlorine shocks

Recent years have seen a shift away from chlorine shock toward non-chlorine based products. In a US consumer research survey in 2010, 75% of respondents reported using chlorine shock products. However, in a follow-up survey conducted by MetrixLab in 2015, the number of respondents reporting use of chlorine shock was down to 65%. Conversely, the number of respondents reporting use of non-chlorine shock oxidizer was up from 15% in 2010 to 22% in 2015.

Changing Shock/Oxidizer Preference
Total Shock/Oxidizer Users



Make weekly shock oxidation with Oxone™ Monopersulfate Compound part of the program

Adding a shock oxidizer to the pool water each week during the peak season is the very essence of "easy pool care", and it's easier and less expensive than combatting problems. The advantages of regular shock oxidation with Oxone™ Monopersulfate Compound include removing non-microbial pollutants (the cause of odor and irritation), clarifying water, and preventing problems before they start (like cloudy water and high chloramine levels). With this easy-to-use treatment, pool water can be swim-ready in just 15 minutes after application, so swimmers can get back in the water fast.

Disclaimer

Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets, product information and product labels. Consult your LANXESS representative in Germany or contact the Regulatory Affairs and Product Safety Department of LANXESS Deutschland GmbH or - for business in the USA - the LANXESS Corporation Product Safety and Regulatory Affairs Department in Pittsburgh, PA, USA.

Regulatory Compliance Information: Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, BfR, NSF, USDA, and CPSC. If you have any questions on the regulatory status of these products, contact – for business in the USA - the LANXESS Corporation Regulatory Affairs and Product Safety Department in Pittsburgh, PA, USA or for business outside US the Regulatory Affairs and Product Safety Department of LANXESS Deutschland GmbH in Germany.

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