



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-31-3114-026

DI CHLOR SDIC

Description :

Dichlor is a chlorine compound used to purify swimming pool and spa water. Its full name is sodium dichloro-s-triazinetriene or dichloroisocyanuric acid. In chemical language technically can say dichlor is the cyanuric acid molecule with two chlorine atoms and one sodium atom. This combination is a stable chlorine, which comes as a colorless solid. The cyanuric acid extends the life of the chlorine by shielding it from ultraviolet rays.

Dichlor granules dissolve quickly in water. They can be added to the water's surface, pre-dissolved in a bucket of water or added via a chlorination system. The pH level of dichlor is very stable, which means there is no need to add pH-neutralizing chemicals.

Dichlor is typically sold in granular form. This provides a simple and convenient way to chlorinate pools and spas. Dichlor is completely soluble in water and does not generate insoluble solids. Also, dichlor does not contribute to scaling. Thus, the dichlor products are suitable for hard water. Dichlor is typically sold by the manufacturer as a granular product with free available chlorine content depending on which form is used (dihydrate or anhydrous). Dichlor is available with additives which may provide some additional benefit to the user. However, it is important to note that if additives are mixed with the product, the available chlorine will be less than 56% or 62%. The available chlorine content is provided on product labels.

Application :

Di Chlor or Sodium Dichloroisocyanurate (SDIC) widely applied for the sterilization of swimming pool and drinking water, or fighting against infectious diseases, or act as disinfectant in raising silkworm, livestock, poultry and fish. Other applications of Di Chlor are found in wool shrinkage, textile bleaching, and industrial circulating water cleaning. Di Chlor is normally supplied in powder and granular, tablets are also available on request. Stabilised chlorine granular (dichlor) are used very widely to chlorinate swimming pool water. The product has high efficiency and constant performance and has no harm to human beings.

Dose :

The amount of product to be used or dispensed depends upon the specific application and the volume of water being treated. For example, in routine sanitizing use, the objective is to maintain a residual available chlorine (FAC) concentration of 1.0 ppm – 4.0 ppm for pools and 2.0 ppm – 5.0 ppm for spas. The label use instructions will explain how to determine a typical dosage for the water volume to be treated. Label use instructions will similarly define dosage requirements for other product applications such as oxidation, shock treatment or superchlorination.

The requirements for pool water testing in the application of dichlor based products should be indicated on the product label. The primary parameter to be tested is the level of FAC in the water. The choice of testing methods will vary depending on the type of pool (residential or commercial) and local regulations and standards. The product label should recommend that the pool water quality be properly balanced. This requires testing of the pool water balance parameters of pH, alkalinity, calcium hardness, and stabilizer (i.e., cyanuric

acid).

Technical Specification :

Appearance	White Powder, Granular,
Chemical Name	Sodium Dichloroisocyanurate
Formula	C3O3N3Cl2Na
Chlorine	>62%
Molecular Weight	219.95
pH (1% solution)	6.0 to 7.0
Moisture	0.5 to 1.00% max
Solubility @ 25°C	Completely soluble in water
Density	Tap density = 0.974 g/mL

Furue & Benefit :

- Di Chlor is ideal for use in swimming pools, spas, fountains and water features.
- Powerful sanitizing powder that destroys bacteria, breaks down contaminants and kills algae.
- Calcium-Free formula keeps hard-water pools sparkling clean and crystal clear.
- Fast dissolving di-chlor chlorinating granules leaves no residue.
- Contains premium-quality 56% - 62% available stabilized chlorine.
- High quality granular chlorine, economically and competitively priced.

PRECAUTIONS

In order to safely use and handle dichlor products, all individuals involved in their manufacture, distribution, sale, use should be trained and knowledgeable about their properties. Safety information is available on the product label, product MSDS (Material Safety Data Sheet), and manufacturer's training materials. This safety information will include product and packaging disposal instructions and spill response information.

Dichlor is a dry solid with strong oxidizing properties. It is stable when stored in a cool, dry, ventilated area and not contaminated by other chemicals such as acids or easily oxidizable materials. Dichlor, in the solid form, shall not be mixed with other pool chemicals including other chlorinating agents. Partially empty packages must not be consolidated, as this could result in dangerous mixing with incompatible dry chlorinating agents having a similar appearance.

CAUTION: *If mishandled, improperly stored, or contaminated, dichlor products can become unstable and dangerous, as is the case in general with chlorinating agents. Fire, explosion and/or evolution of toxic gasses could result, depending on the nature and amount of the contaminant. As with any oxidizer, dichlor can oxidize metals and may result in staining of pool and spa surfaces.*

This Safety Data Sheet is provided by RXSOL. For the most current version of this document, please visit eastindiachemicals.com. This document is prepared in accordance with GHS / OSHA HazCom standards. The information contained herein is believed to be accurate but does not purport to be all-inclusive. It is the responsibility of the user to determine the suitability of this information for their application.