Xiamen Rickman Chemical Technology Co., Ltd

Tel: +86 18750669524

Fax: 0595-82003557

Website: www.rickmanchemical.com

Email: info@rickmanchemical.com

Head office

Add: 1267-8 Qianpu South Road, Siming Distriet, Xiamen City Fujian China

Quanzhou Branch office

Add: Hengdali Building, Quanan North Road, Quanzhou, China

Factory

Add: Qitian Industrial Zone, Fujian, China

At RICKMAN

We create defoamer chemistry for a better and more sustainable future.





RICKMAN

Rickman was found in 2013, engaged in production, research and development, sales andservice of defoamer. The comprehensive annual capacity can reach 30,000 tons. These productsare widely used in pulp and paper, textile, industrial water treatment, paint and ink, oil and gas, agriculture, food, fermentation, industrial cleaning, metal processing and other fields. At RICKMAN, we create defoamer chemistry for a better and more sustainable future. We believe that our mission is to work closely with our customers, providing them with antifoaming agent solutions enable them to deliver their potential.

Mission

We strive to build a better and more sustainable world with our partners by solving chemistry problems with the right technology, experience and team.

03



Our Purpose

To solve foam problem and improve efficiency through antifoam solutions.

Our Vision

02

To be the global leader in antifoam innovation and build a safer, healthier, more sustainable world.

Defoamers and Antifoams

Classifications of foam

- According to the life of the foam, it can be divided into "short foam" with a life span of a few seconds and "durable foam" that can maintain a few days without breaking under the condition of no interference;
- According to the balance between the force of foam generation and foam breaking, it can be divided into "unstable foam" that is constantly approaching the equilibrium state and "stable foam" that is hindered in the equilibrium process;
- According to the aggregation, it can be divided into "bubble dispersion system" with more liquid and less gas and "foam" with more gas and less liquid.



The rise of foaming in a surface activator

Generation Mechanism and Stability of Foam Analysis of factors affecting the stability of foam : (1)Low surface tension. The lower the surface tension, the easier it is to form foam ; (2) Concentration of surfactants. The higher concentration of surfactants, the more it accumulates on the surface of the foam, and the stronger the membrane ; (3) Size of foam itself. According to the formula $T=K/D^2$, T is the life of foam; D is the average diameter of foam; K is the correction coefficient. As can be seen from the formula, the smaller the foam, the longer the life of the foam, the higher the stability.



What is foam?

Bubbles and foams are generated by surface action. Due to the action of surface tension.

The membrane contracts into a ball, forming a bubble.Because of the lifting force, bubbles rise to the liquid surface. When a large amount of bubbles gather on the surface, a foam layer is formed.

Defoamer Solutions for

Construction and Building

- •Cement mortar Concrete
- •Asbestos tile
- Fiber cement

• Diatom ooze

- •Gypsum
- Polycarboxylate superplasticizer
- •Adhesives

RK-1210S is a polydimethylsiloxane based silicone defoamer with good compatibility in polycarboxylate superplasticizer, bottle cleaning and water treatment.

RK-15A is a water based antifoam, acted high defoaming performance in construction, industrial cleaning and effluent industry.

RK-800P is designed by special polyether material to used in concrete, gypsum, asbestos tile, concrete admixture additives and reverse osmosis RO membrane and landfill leachate etc.

RK-600P is a non-silicone based defoamer with 100% active content.

Additives , material and stirred speed always lead to the foam appearance in construction. If the foam cannot disappear, the film shrinkage, and pinhole will be caused, which affects the quality and smooth appearance. Therefore, Rickman defoamers play an important role for solving foam questions.

RK-04P is a solid type foam control agent and works effectively in oil drilling, cement mortar, dry-mixed mortar, self--leveling cement and concrete.
RK-104P is a powder defoamer with great antifoaming and long-term foam control performance. It's widely used in petrochemical, and building materials.
RK-07P is a silicone based powder defoamer, easy to disperse in water and used in building material, putty powder, cement , adhesive, textile industry and industrial cleaning.

RK-980P is a defoamer liquid based on polyether and mainly used in construction industry.



