

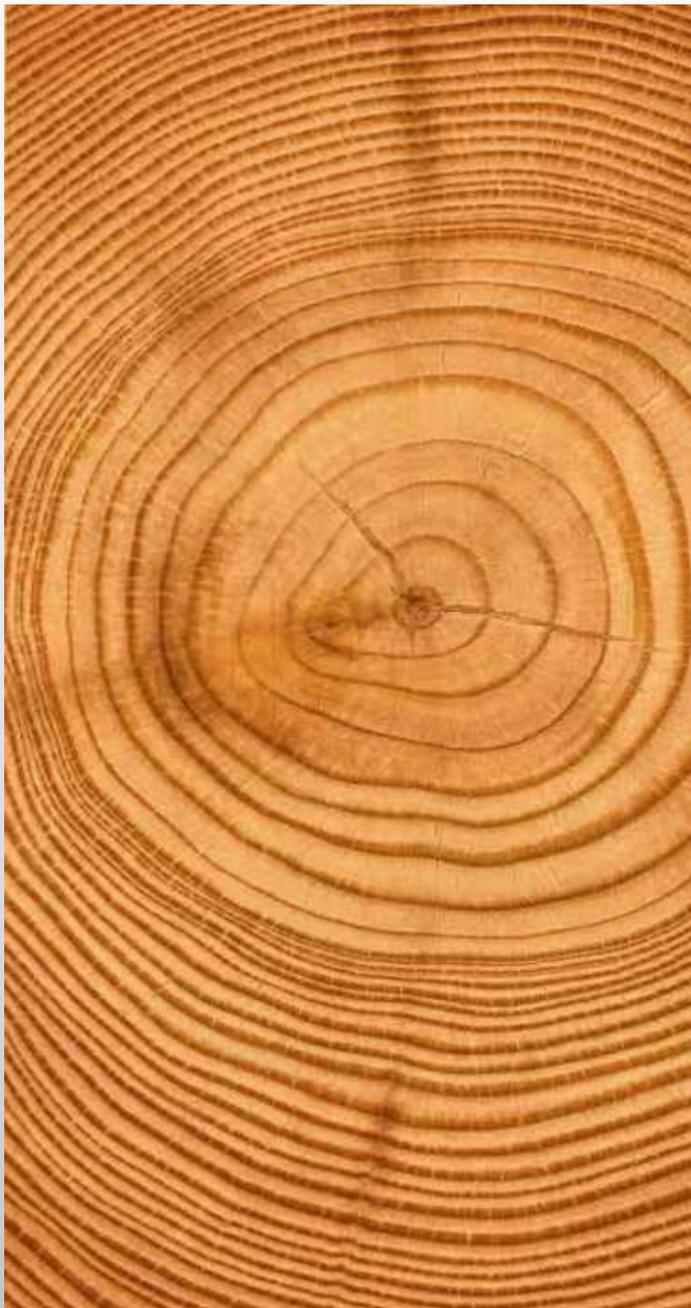
ANTIFOAMS

SOLUTIONS

XIAMEN RICKMAN CHEMICAL TECHNOLOGY CO., LTD

TECHNICAL APPLICATIONS

FOUNDED IN 2013



Rickman engages in production, research and development, sales and service of defoamer.

With professional knowledge, rich experience, and the concept of innovation and development, Rickman owns a mature technical team and advanced production equipments

Our main products include defoamer, fungicide scale inhibitor and other products' series.

The comprehensive annual capacity can reach 30,000 tons. These products are 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.

WWW.RICKMANCHEMICAL.COM

PULP AND PAPER

Paper Industry is an important industry closely related to the development of national economy and the construction of social civilization, which is recognized as the "never exhaustion" industry in the world. But foam is a problem that can not be ignored in the pulp and paper industry. It mainly occurs in the process of pulp black liquor, paper white water, sizing and coating. Excessive foam brings a lot of adverse effects to the subsequent operation, affecting the quality of paper, which will also damage the machine, causing economic losses to the enterprise.

RK-10S

SILICONE DEFOAMER

RK-20S

SILICONE DEFOAMER

RK-5DS

SILICONE DEFOAMER

RK-8455S

SILICONE DEFOAMER

RK-F0080

FATTY ALCOHOL DEFOAMER

RK-F0090

FATTY ALCOHOL DEFOAMER

RK-50P

POLYETHER DEFOAMER

RK-0010



TEXTILE AND LEATHER INDUSTRY

FOAM CONTROL AGENT

A variety of dyes and auxiliaries are added during the textile&dyeing&leather. These auxiliaries, especially surfactants such as detergents, penetrants, emulsifiers and levellers, tend to produce foams after being subjected to mechanical vibration. Foam is the air in water or some liquid dispersion, the liquid and fabric contacted surface will be reduced, and produce uneven processing phenomenon in the fabric processing, which seriously affect the production and product quality, and bring to the normal operation of the difficulties, hence defoamer plays an important role in textile&dyeing&leather.

ITEM/antifoaming agent	APPLICATIONS	TYPE
RK-82S	High temperature overflow dyeing process	Silicone defoamer
RK-100S	Textile auxiliary	Silicone defoamer
RK-561	Textile auxiliary, high temperature dyeing	Silicone defoamer
RK-63T	Textile auxiliary, high temperature dyeing and printing	Non silicone defoamer
RK-210S	Textile auxiliary, high temperature dyeing and printing	Silicone defoamer
RK-8636	Textile printing	Silicone defoamer
RK-30N	Textile and leather	Silicone defoamer
RK-900N	Textile and leather	Silicone defoamer
RK-T60	Textile auxiliary, high temperature of strong acid and alkali system	Silicone defoamer
RK-15S	Textile slurry, textile printing and dyeing	Silicone defoamer
RK-23S	Textile industry	Silicone defoamer
RK-02P	Textile industry	Powder defoamer
RK-03P	Textile industry	Powder defoamer
RK-30S	Textile printing	Silicone defoamer
RK-0036	Textile printing, water treatment	Silicone defoamer
Rk-203	Textile printing , paper coating	Mineral oil defoamer
RK-110S	Textile after finishing	Silicone defoamer

WATER TREATMENT



Waste water treatment

As the source of life, water is an indispensable resource in human life and industrial production. However, environmental pollution is often accompanied by human production activities, and water pollution is one of the aspects that must be controlled. In factory production, a variety of additives are added, and many of these additives are surfactants. Under the action of temperature change, continuous impact, cyclic mixing, and high shear force, foam is easy to be produced, which makes water discharge substandard, affects the environment, affects the subsequent wastewater treatment process. Defoamer plays a key role in water treatment because of its advantages such as economy, safety and no influence on water body.

Foam control: RK-8636 silicone defoamer/RK-30S silicone defoamer/RK-0036 silicone polyether defoamer/RK-F0080 fatty alcohol defoamer/RK-400P polyether defoamer/RK-500P polyether defoamer etc.

Sea water desalination

With the rapid development of modern industry and the increase of urban population, many countries feel the lack of water. In order to solve the more and more serious water shortage problem, many countries have taken seawater desalination as an important way of water source. Seawater desalination process is easy to produce foam, if not eliminated in time, the processed water is not in line with fresh water standards, which will affect human drinking water health. At present, the reverse osmosis membrane method and distillation method are the mainstream in the market. Because of its special processing technology, the requirements for antifoam are higher -- high temperature resistance, acid and alkali resistance, not easy to precipitate, etc.

Defoaming agent: RK-F0080 fatty alcohol defoamer/ RK-0036 silicone defoamer/ RK-700P polyether defoamer etc.

Landfill Leachate Industry

Landfill leachate has the characteristics different from the general municipal sewage, its water quality is complex, contains a variety of toxic and harmful inorganic substances and organic matter. In landfill leachate, the concentrations of COD, BOD5, metal and ammonia nitrogen are high, the water quality changes greatly, and the proportion of microbial nutrient element is out of balance. Therefore, the leachate can not be directly discharged into the municipal sewage treatment pipeline without strict treatment. Foam is a common problem during the treatment, which causes difficulties and affects the effluent quality. The process has special requirements for defoamer, which can not be precipitate, otherwise it's easy to block the treatment film. Polyether antifoam is the first recommendation.

Antifoam solutions: RK-800P polyether defoamer./ RK-700P polyether defoamer etc

Circulating cooling water industry

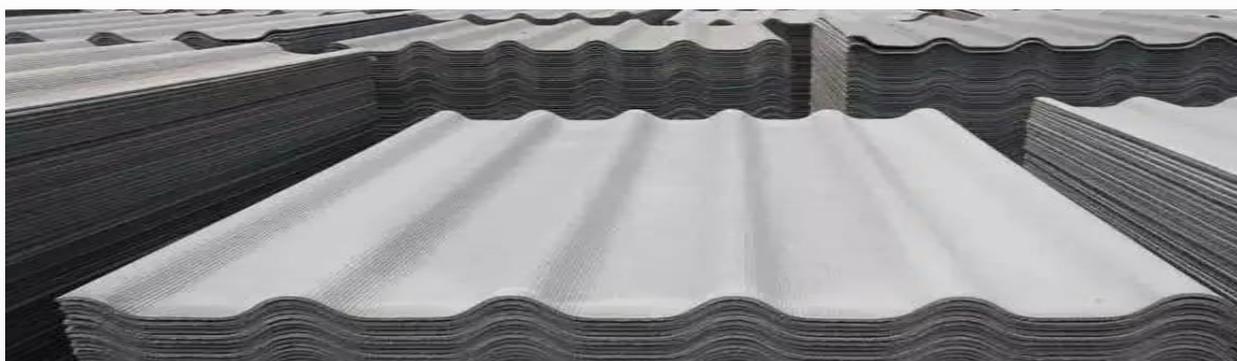
In order to prevent the breeding and scaling of bacteria in the circulating water system, it is necessary to add fungicides, scale inhibitors and other additives. These are surface active substances. When the system is running, a large amount of air is brought into it, which is easy to produce a large amount of foam in the stirring operation. Excessive foam brings a lot of adverse effects to the circulating treatment system, and also affect the timely removal of effluent. Adding defoamer is the most convenient and quick method, which does not affect the operation of the equipment, but also can reduce and inhibit the formation of foam to the greatest extent.

Antifoam solutions: RK-8636/RK-0036/RK-300P etc

RO Membrane Water Treatment Industry

RO membrane water treatment is a special water treatment technology, the traditional organic silicon defoaming agent is easy to precipitate, hence we strongly advice you to use non-silicon antifoam. Non-silicone defoamer does not harm to RO membrane, which can improve the life of membrane and save costs.

Non silicone defoamer will be the most suitable defoamer solution.



CONSTRUCTION

Defoamer as a kind of additive, plays a very important role in building materials, it is mainly used in cement mortar, concrete water reducing agent, asbestos shingle, gypsum, putty powder, and other building materials. These materials contain a lot of easy foaming things. In the process of high speed stirring blending, it introduces a lot of air, which leads to a lot of bubbles and brings to the construction inconvenience. The foam will damage the quality of our products and affect the senses.

Antifoam solutions: silicone defoamer, polyether defoamer, powder defoamer/ RK-1210S/ RK-15A/RK-800P/RK-600P/ RK-04P/ RK-104P/ RK-30S/RK-07P/ RK-980P etc

OIL AND GAS

Petroleum is the "blood" of the industry. As a high-quality energy and multi-purpose chemical raw material, it is widely used by various countries. However, in the mining process, due to the addition of various chemical additives, and under the action of various machines, it introduces a large amount of air, resulting in the production of a large number of foam. Taking cementing as an example, excessive foam will lead to the deterioration of cementing quality, which affect the strength and stability of cementing, lead to substandard cementing degree, decrease of cementing density, lead to the decrease of cement strength, and then affect the safety problems in the later period.

Defoamer solutions: RK-400S/RK-210S/RK-30C/RK-15G/RK-700P etc

PESTICIDE INDUSTRY

Pesticides includes herbicides, pesticides, fungicides, etc., they are generally for complex organic compounds. In order to make it evenly distributed in crops, wettable powder or oil-in-water emulsion must be prepared by adding surfactant. Diluting use will produce the flotation effect of foam, which reduce the uniformity of pesticide water dispersion, affect the efficacy and interfere with spray operation, so the preparation of pesticide should be added with defoamer.



Defoamer solutions: RK-35T/RK-400S/RK-63B/RK-30N/RK-900N etc

RK-700P

Fermentation, power plant desulfurization, PCB cleaning

Polyether defoamer

RK-8636

Industrial cleaning, PCB cleaning, suspension polymerization,

Silicone defoamer

RK-801

Water based paint, water based ink, overprint varnishes, wood furniture paint, printing light oil

Silicone defoamer

RK-400S

Industrial cleaning, PCB cleaning, electroplating solution, oil field drilling, cementing, oil and gas separation, mining industry, phosphate flotation, water treatment

Silicone defoamer

RK-857

Water based color paste grinding process, styrene/acrylic acid, poval, water based epoxy system, water based ink

Silicone polyether defoamer

RK-990

Alumina refinery bayer process

Polyether defoamer



Defoamer solutions include metal cutting liquid, fertilizer, phosphoric acid, and alumina refinery bayer process, fermentation, paint and ink, desulfuration and other industries!

Please kindly contact us for other applications' defoamer solutions!



For more information please contact:

XIAMEN RICKMAN CHEMICAL TECHNOLOGY CO.,LTD

ADDRESS:1267-8 Qianpu South Road, Siming District, Xiamen City Fujian China |

Hengdali Building, Quanan North Road, Quanzhou City, Fujian China

TEL:0595-82003557

PHONE:+8618750669524(Wechat/whatsapp)

EMAIL: info@rickmanchemical.com

Visit our website:

www.rickmanchemical.com