



## Nanjing ANTIFOAM Environmental Technology Co., Ltd

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Nanjing City, China

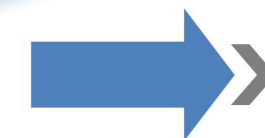
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# At ANTIFOAM

We are committed to becoming a global leader in the  
manufacture of green chemicals.

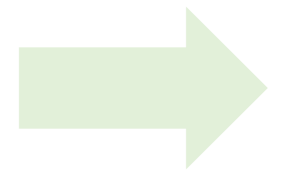


# ANTIFOAM PROFILE

**ANTIFOAM company is a growth oriented, diversified, defoamer chemicals manufacturer dedicated to innovative foam control solutions in a broad range of markets.**

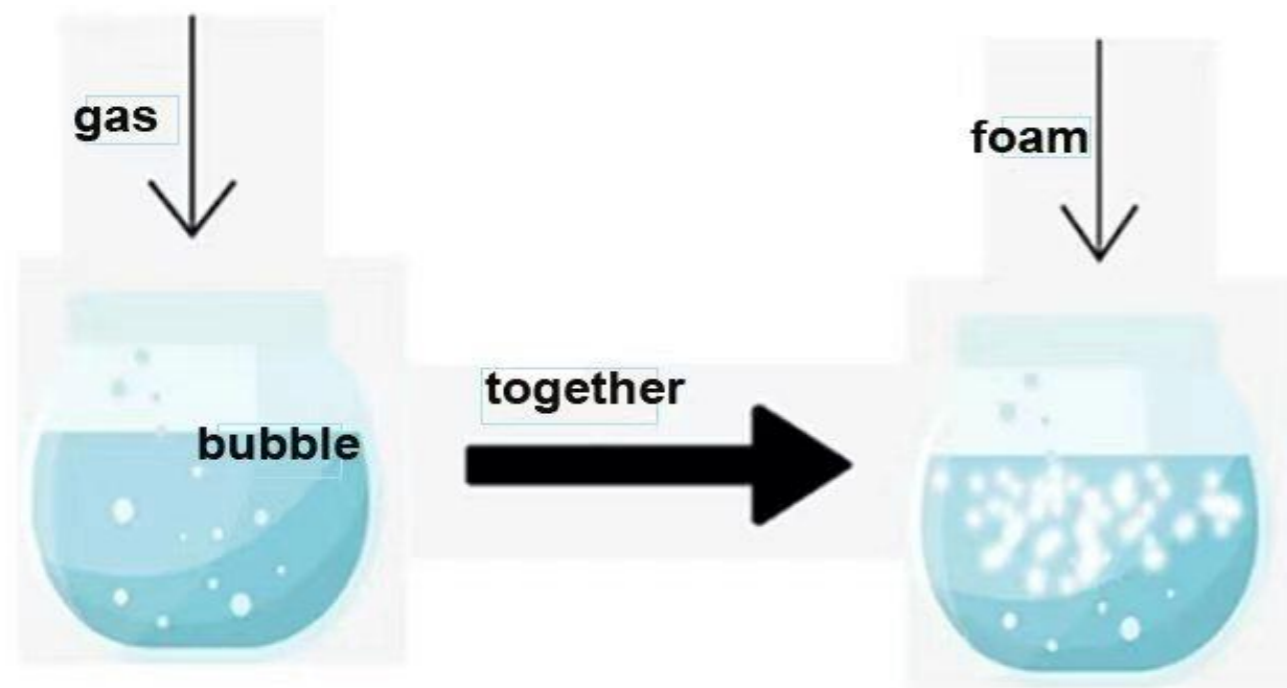
**With professional knowledge, rich experience and mature technical research and development team, ANTIFOAM company serves its wide range of anti foam agent solutions to the partners from different industries, including pulp and paper, textile, water treatment, oil and gas, construction, agriculture, paint and coating, ink, household, and laundry, industrial cleaning, alumina and other industries.**

**With experience spanning more than 20 years, the ANTIFOAM company is one of the major actors in the formulation of defoamers and antifoams for all industry sectors.**

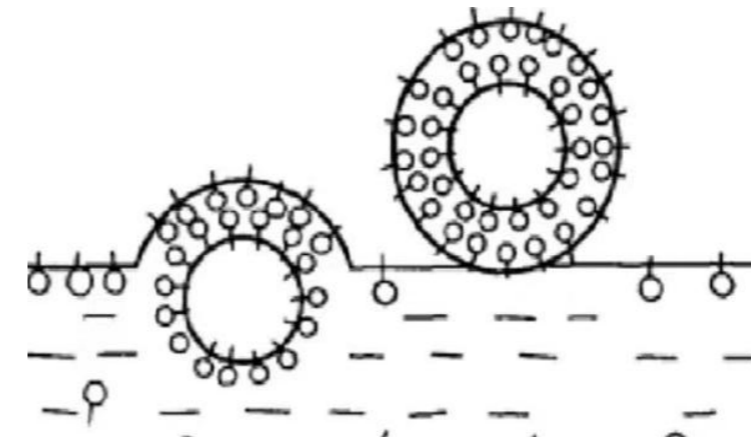




# Foam Formation



Foam is insoluble gas under external force, going into the liquid with low surface tension, which is caused by the isolation of the liquid. In a liquid foam, only one gas-liquid interfaces called a bubble. When multiple bubbles gather, they form foams.



# Stabilization

When the bubble rises up to the liquid surface, it is adsorbed by the surfactant, forming an adsorption layer. The adsorption layer will prevent the collision and merger between bubbles, and protect the bubble films, so the bubbles are not easy to break and form stable bubbles, then later form massive foams by getting together.



# What is Antifoam?

Antifoam refers to an agent having chemical and interfacial chemical defoamer effect.

It is a substance that can reduce the surface tension of water, solution, suspension, etc., prevent foam formation, or reduce or eliminate the original foam.

# Metal cutting liquid

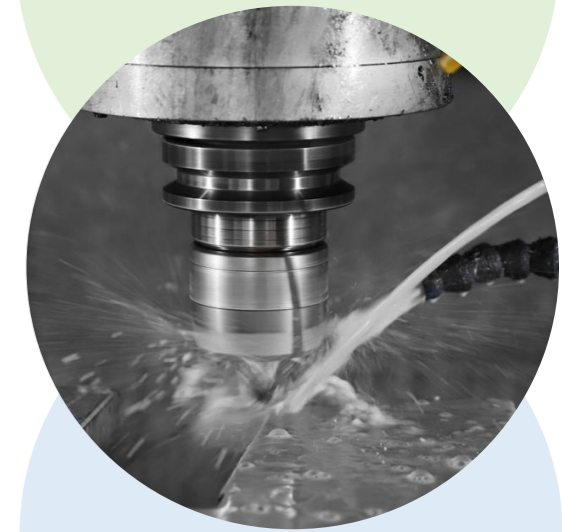


Metal cutting liquid is generally divided into oil-based metal cutting liquid and water-based metal cutting liquid according to their composition and working methods.

Commonly used metal cutting liquid include emulsified oil cutting liquid, semi-synthetic cutting liquid and fully synthetic cutting liquid.



Metal cutting liquid is a mixed lubricant used for cooling, lubrication, cleaning and rust prevention in the metal processing process. Its stable performance can be applied to a variety of cutting and grinding operations of various materials. In the production process of metal cutting liquid, the foam can be defoamed fundamentally by adding defoaming agent. In the process of metal cutting agent, the addition of defoamers can eliminate the influence of foam on metal cutting. Metal cutting liquid defoamers have good diffusivity and permeability, wide application range, chemical stability, and can efficiently solve the foam problem in metal processing.





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