

Technical Data Sheet



WOTAI YW802S

Defoamer

Product description

WOTAI YW 802 S is a silicon with fast defoaming speed. Key recommended industries: textileslurry (acrylic acid slurry), metal processing fluid, chemical building materials (cement mortar,concrete), petroleum processing (drilling mud, cementing), etc.

Physical Properties	Physical and chemical properties	Detection method
Appearance:	White or slightly yellow homogeneous powder, no sediment, no visible mechanical impurities	
PH:	6.0-9.0	GB/T 26527-2011
Viscosity (25°C/mPa·s):	200-400	GB/T 5561-2012
Emulsion Ionic	Weak anionic	
Defoaming rate:	>70	Annex I
Foam suppression rate:	>75	

**Note: The above data are for reference only, not as technical indicators;
The PH value test method is to use precision pH test paper (5.5-9.0) for testing.**

Instructions

(1) 802 defoamer can be diluted with thickened water. During the dilution process, the stirring speed is 30rpm-60rpm. It is recommended that the stirring time not exceed 10min. Please ask for the specific dilution method from the customer service department of our company. The company will not be responsible for any adverse consequences caused by incorrect use of the product.

(2) When this product is used on site, it is recommended to choose a place where the defoamer is easy to disperse and add it. The best addition point, addition amount, addition method, and dilution ratio need to be determined according to the actual situation on site.

The best addition point, addition amount, addition method, and dilution ratio need to be determined by the customer according to the actual situation on site.

Packaging and Storage

802 defoamer is suitable for sealed storage at 5°C~40°C, and it should not be placed near heat sources or exposed to sunlight. Do not add acid, alkali, salt and other substances to this product. Store according to general chemical method. Keep sealed after use to avoid deterioration.

This product may freeze below 0°C. If it freezes, stir it evenly after dissolving, and it will not affect the use effect (stirring speed is 30rprpm-60rprpm).

When stored at recommended storage temperatures in unopened containers, they have a usable life of 9 months from date of production.

Executive standard: Q/320106 SXKJ 002-2016

Annex I:

1. Test conditions:

Test temperature: room temperature

Type of test medium: vinegar acrylic emulsion

Test medium dosage: 100g

Defoamer usage method: add directly

Addition amount of defoamer: 1‰

2. Test method:

High-speed dispersion test: add a specified amount of foaming medium and defoamer to the cup and disperse at a high speed of 1000rpm for 5 minutes under the high-speed disperser, and measure the density (g/ml) of the dispersion immediately after completion.

3. Calculation method of elimination and suppression foam rate:

a. Defoaming rate%

Definition: The ratio of the foam volume eliminated after adding the defoamer to the foam volume under blank conditions.

$$K = \frac{v_2 - v_3}{v_2 - v_1}$$

v1 ——volume of foaming liquid (without bubbles)

v2 ——Volume after high-speed dispersion (without defoamer)

v3 ——volume after adding defoamer

b. Sustained defoaming rate%

Definition: After the test is completed and placed for 24 hours, the ratio of the eliminated foam volume to the foam volume under blank conditions.

$$K = \frac{v_2 - v_4}{v_2 - v_1}$$

v1 ——volume of foaming liquid (without bubbles)

v2 ——Volume after high-speed dispersion (without defoamer)

v4 ——volume after adding defoamer for 24 hours

This information is based on our present state of knowledge and is intended to provide general notes about our products and their use only. It should not therefore be construed as guaranteeing the consistence or permanency of the products or specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.