

# POLYTE<sup>®</sup> 4060A Universal defoamer

## 1. Product Introduction

POLYTE<sup>®</sup> 4060A defoamer is a defoamer consisting of polyether and other components with strong antifoaming ability which can effectively destroy, eliminate and inhibit the generation of foam. This product is non-toxic, non-corrosive, chemically stable, non-flammable and explosive, and can meet the needs of various occasions and processes.

## 2. Product Features

Appearance	Colorless or light yellow transparent liquid	Acid value (KOH mg/g)	≤0.1
Hydroxyl value (KOH mg/g)	40.0-60.0	Density (20 )	1.00±0.05 g/cm <sup>3</sup>

## 3. User Guide

- Dosing point: select different dosing points according to the process, generally dosing to foaming equipment.
- Dosing method: intermittent impact dosing or continuously metering pump dosing.
- Dosage: Add in 2-4kg for every impact dosing; however, the actual dosage should be determined according to the composition of the foaming agent, and the user can determine the dosage according to the actual situation.
- Dosing Frequency: The specific dosing frequency is determined according to the actual situation and does not need to be added regularly.

## 4. Package and Storage

This product is packed in 25kg/plastic drum. Please store in a cool, sheltered and sealed preservation place with the expire date of one year.

# POLYTE<sup>®</sup> 4060B Silicone Defoamer

## 1. Product Feature

POLYTE<sup>®</sup> 4060B defoamer is a polyether-siloxane copolymer (referred to as silicone copolymer) obtained by introducing a polyether segment into a siloxane molecule. It is a new type of high-efficiency defoamer that combines the advantages of both to fast eliminate the foam generated by foaming surfactants. It is non-toxic, non-corrosive, chemically stable, non-flammable and explosive product.

## 2. Product characteristics

- Non-ionic type and cause no pollution.
- With low surface tension and defoaming quickly.
- Good defoaming effect require less usage.
- Completely dissolved in water and no secondary pollution.
- High temperature and pressure resistance, sterility and stable performance.
- Good dispersibility in water.

## 3. Product Charateristics

Appearance	ivory-white	pH	6-8
Density (20 )	1.00±0.05g/cm <sup>3</sup>	Solid content	11%-13%

## 4. User Guide

- Dosing point: In absorption tower pit.
- Dosing Method: intermittent impact dosing or continuously metering pump dosing.
- Dosage: 3-5kg for every impact dosing When there is bubbling overflow in the absorption tower; the actual dosage should be based on the composition of the foaming agent, the amount of flue gas, the composition of the coal and the combustion process, absorption agent and the amount of sulfur dioxide, the user can determine the dosage according to the actual situation.
- Dosing Frequency: The specific dosing frequency is determined according to foaming of the absorption town and does not need to be added regularly.

## 5. Package and Storage

This product is packed in 25kg/plastic drum. Please store in a cool, sheltered and sealed preservation place with expire date of one year.

# POLYTE<sup>®</sup> 4060C Special Defoamer for Desulfurization

## 1. Product Feature

- Quickly reduce the surface tension of gas and liquid, fast defoaming speed and long antifoaming time, which can effectively prevent the overflow of the absorption tower slurry.
- Less dosage is required, 0.5-1.0kg defoamer per 2000m<sup>3</sup> slurry.
- Easily dispersed in water and no chemically react with any substance in the slurry.
- Strong stability, resist to acid and high temperature.
- Non-toxic, no corrosive or adverse side effects.

## 2. Product Introduction

The defoamer for slurry of flue gas desulfurization device is new in thermal power plant. It is mainly composed of special organic compounds and propylene oxide, ethylene oxide and related catalysts. It can effectively destroy and eliminate foam also provide long-term suppression to foam generation, thereby controlling the liquid level in the tower, eliminating the virtual high liquid level caused by the foam, preventing the slurry from overflowing, and slowing down the fouling of the heat exchanger (GGH) caused by the foam.

## 3. Product Characteristic

Appearance	Colorless or light yellow transparent liquid	Acid value (KOH mg/g)	≤0.05
Hydroxyl value (KOH mg/g )	45.0-55.0	Density (25 )	1.00±0.05g/cm <sup>3</sup>

## 4. Product Instructions

- Dosing point: In absorption tower pit.
- Dosing Method: intermittent impact dosing or continuously metering pump dosing.
- Dosage: 1.0 - 2.0 kg for every impact dosing when there is bubbling overflow in the absorption tower, the actual dosage should be based on the composition of the foaming agent, the amount of flue gas, the composition of the coal and the combustion process, absorption agent and the amount of sulfur dioxide, the user can determine the dosage according to the actual situation.
- Dosing Frequency: The specific dosing frequency is determined according to foaming of the absorption tower and does not need to be added regularly.

## 5. Package, Storage and Transportation

- 25kg/plastic drum.
- Prevent the product being subject to sunlight and rain during the transportation, pay attention to fire prevention.
- Please store in a cool, sheltered and sealed preservation place.
- Expire date: one year.

# POLYTE® 4060D Alcohol Defoamer

## 1. Product Feature

- Non-silicon defoamer to avoid the problem of residual silicon spots in silicon defoamer.
- Able to fast penetrate into the liquid, reduce the surface tension of vapor and liquid, and can quickly eliminate the intractable foam.
- Easy to disperse in water, fast defoaming speed and long antifoaming time.
- Small dosage, with non-toxic, no corrosive and adverse side effects.

## 2. Product Introduction

POLYTE® 4060D is a non-ionic defoamer. Its main components are polyether, special defoamer and various surfactant additives. It has good antifoam at lower concentration and can use in both low and high temperature with the advantage of fast defoaming, long form suppression time and small dosage, which is suitable for use in papermaking wastewater, domestic sludge biochemical pool system and else.

## 3. Product Performance

Appearance	Colorless or light yellow transparent liquid	Brookfield viscosity	500-2000cs
pH	6-8	Ionicity	Nonionic

## 4. Product Introduction

- Dosing point: directly dosing to the foaming system.
- Dosing method: direct dosing or jetting.
- Dosage: The actual dosage should be determined according to the composition and concentration of the foaming substance and the user can finally determine the dosage according to the actual situation.
- Dosing frequency: The actual dosing frequency should be based on the blistering of system, no need to add regularly.

## 5. Package, Storage and Transportation

Product is stored in 25kg/plastic drum. Prevent the product being subject to sunlight and rain during the transportation, pay attention to fire prevention. Please store in a cool, sheltered and sealed preservation place. Expire date: 1 year.