Application Information

Antifoam 2050

Highly Active Antifoaming Agent

Produkt Description

Composition

Antifoam 2050 is composed of fatty acids addition products, alkane hydrocarbons and emulsifiers. Antifoam 2050 is absolutely free of silicone oil.

Appearance: dark brown, opaque liquid
Viscosity: approx. 75 mPas (Brookfield at 20°C)
Density: approx. 0.90 g/ml

Properties

Antifoam 2050 is a highly effective antifoaming agent with long lasting effectiveness. It can only be emulsified to a certain extent and for this reason it should be used neat. Antifoam 2050 remains liquid and, therefore, can be dosed even at outdoor temperatures of – 5°C. The product is not sensitive to freezing!

Range of Application

Antifoam 2050 has proven excellently suitable for the following applications:

- E.g. in the sugar industry: Antifoam 2050 can be used in all areas of outside operations of a sugar factory.
- E.g. in the paper industry: Antifoam 2050 is used in the paper mills for different types of paper: in the pulp, in the size press and in the wastewater of the paper machine. Antifoam 2050 is used in biological and mechanical clarification plants. The action of the product is deoendent of the type of water to be defoamed and normal dosages have no detrimental influence on the biological life in the sewage treatment plant.
- E.g. in sewage plants: Antifoam 2050 is highly effectife in dergrading and preventing foams in the transition zone between digestate and gas compartment.
- E.g. in biogas plants

Application

Antifoam 2050 can be applied dropper or continuously working either by means of a pump. For economic reasons the use of metering pumps is advisable. The required amounts can be determined in practice tests only.
Antifoam 2050, similar to all other defoaming agents, performs best when dispersed complete and spontaneously. Therefore, Antifoam 2050 should be dosed into the medium in an area as turbulent as possible.
In biogas plants, Antifoam 2050 is best added to the sprinkling water, used for defoaming in the head area of the fermenter.
Dosage

The required quantity of Antifoam 2050 depends on the medium's composition. A dosage of 2-20 g/m³ wastewater is a good guideline. There is no general dosage directive for the application in biogas plants. The reason therefor is the high stability of biomass foams due to their high solid contents. The required dosage depends also on homogenous dispersion on the substrate surface. For a first application, amounts between 10 and 20 ml/m² Substrate surface are reasonalbe. When the foam turns up again the application should be repeated.

Safety Precautions

Splashes of Antifoam 2050 on skin or eyes are to be washed off with water, contaminated clothing are to be removed. Rinse contaminated floors and other objects with water.

Storage

After prolonged storage, the product may show a slight precipitation. If stored correctly (closed container, room temperature) Antifoam 2050 can be stored for at least 12 months without deterioration.

Reference to Food and Drug Law

When properly used, Antifoam 2050 complies with paragraph 11, section 2 No. 1 of the German Lebensmittel-und-Bedarfsgegenständegesetz (LMBG) in the version of Jan. 1, 1997.

Packaging

PA-pails with 10 or 30 l
Drums, 190 kg
Container, 900 kg

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