



DFM-TDS-EU-Burst FC 180

Burst™ FC 180 Defoaming Agent

Description

A highly effective antifoam and defoamer product for the control of foaming across a wide variety of substrates and applications.

Chemical Nature

Burst FC 180 is a polyether derivative of an aliphatic alcohol.

Principal Use

Burst FC 180 is used to prevent and control foam in municipal and industrial effluent streams, as well as other aqueous systems.

This product is not suitable for use in potable water applications. If you have any doubt concerning the use of this product for a specific application, please contact your local sales representative.

Properties

The following are typical properties for Burst FC 180 and should not be regarded as specification limits for the product. A product specification is available on request.

Form	liquid
Appearance	colorless or slightly yellowish
Water content	max. 0.3 %
Viscosity	approx. 250 mPa · s (23 °C)
Density	0.98 g/cm ³ at 20 °C (DIN 51757)
pH	approx. 6.5
Solidification temperature	approx. -20 °C

Application and Dosage

Burst FC 180 is a versatile, cost effective antifoam for use in the treatment of effluents, from municipal sources and industrial sites. Burst FC 180 contains no hydrocarbon or silicone oils. The Burst FC 180 has demonstrated to have a negligible effect on the organisms in activated sludge processes and so may be confidently used to avoid excessive foam build-up that may occur in these systems.

Burst FC 180 may be used to destabilize aerated effluent and foam generated during the centrifugal separation of flocculated solids. This prevents flotation of sludge in the bowl, giving cleaner separation of water

and promotes faster release of air from the clarified water, with consequently better flow away down drains.

The active ingredient of Burst FC 180 is 30 – 40 % biodegradable (28 days, OECD 301 B), and can be used to treat foaming problems at discharge points into the environment, provided that local regulations are observed and/or permits have been acquired.

Burst FC 180 works properly with the following substrates:

- Centrate of the centrifuge
- WWTP effluent
- Liquor of biologic reactor (activated biologic foams)

Burst FC 180 is best added directly and undiluted. It performs well in the temperature range from 15 °C to 60 °C.

Handling

On the basis of our experience, we would recommend the following materials for pipes, pumps and tanks:

- Stainless steel: AISI 316 Ti, AISI 321 or other high-alloy steels
- Aluminium
- Plastics: polyester resins (e. g. glassfibre reinforced tanks made from Palantal*)

Hoses made from polyethylene or polytetrafluoroethylene can be used.

Shelf Life

The product is chemically stable under proper storage conditions. The shelf life of the product is 24 months from date of manufacturing if it is stored in its sealed original packaging at ambient temperature in dry conditions.

Packaging

This product is available in a variety of packaging sizes. Your Solenis representative will recommend the appropriate packaging for the application.

Important Information

Typical Properties: Refer to the Safety Data Sheet (SDS).

Regulatory Information: Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

Safety: Solenis maintains an SDS for all of its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Solenis products in your facilities.