



DFM-PDS-NA-Advantage 1529-R2

Advantage™ 1529 defoaming agent

Product Description

Advantage™ 1529 defoaming agent is a 100% active, nonionic surfactant based antifoam designed to remove entrained air and surface foam in a wide variety of papermaking operations.

Advantage 1529 is a clear, pourable liquid that contains no oils. Its low viscosity and shear stability make the product easy to handle and use.

Advantage 1529 is effective in both alkaline and acid systems. This product can be used in the paper machine wet end, board machine wet end, and in waste treatment or effluent.

Several mills have reported improvements in the quality of their paper when an oil-based defoamer was replaced by Advantage 1529. Other improvements are: better drainage on the wire, more uniform distribution to eliminate air bubbles throughout the system, and excellent shear stability.

Advantage 1529 also possesses the unique ability to remove entrained air and surface foam in size press applications and calender stack water boxes. It is especially effective in the high-shear environment found in film transfer and gate-roll-type size presses.

Product Application

Wet end applications: Advantage 1529 can be metered through a diaphragm or piston pump to numerous addition points. Addition can be either neat or mixed in-line with water dilution. Neat addition requires feeding the product to an area of high turbulence. Two common points for wet end addition are into the stock dilution line prior to the headbox or into the wirepit. The product is not shear-sensitive; therefore, it can be recycled and exhibits good defoaming persistence. Being a highly active product, typical dosages will range between 0.05-1.0 #/ton (0.025-0.5 kg/tonne).

Size press applications: Advantage 1529 is used primarily in size press applications with Scripset™ styrene maleic anhydride, or other surface sizing resins. Most mills add Advantage 1529 neat to the size press recirculation line(s) which provides good distribution and allows cost-effective use. Alternatively, Advantage 1529 can be added to an

area of high agitation at the size press run tank. Normal usage is 25-250 ppm Advantage 1529 calculated on the total starch solution use at the size press. When used at these recommended levels, the product has no measurable negative effect on sizing.

Advantage 1529 is to be used in accordance with control procedures Solenis establishes for a specific application.

Benefits

- FDA-approved components
- Highly efficient, cost-effective product
- Contains no hydrocarbon oil
- Contains no deposition-prone particulates
- Controls foam over a wide temperature range.
- Effective over a wide pH range (4.0 - 10.0)
- Good for drainage, entrained air, and surface foam
- Low dosage requirements, thus resulting in reduced handling and reduced interference with other system additives.

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.