

AMP-14 Silicone Antifoam Compound

Description

AMP-14 silicone antifoam compound is a translucent, soft, gel-like, alkaline-resistant and extremely efficient antifoam compound that is an excellent candidate to consider to control foam in the brown stock washing lines of pulp mills. It possesses outstanding durability, typically exhibiting persistent foam control over long periods of time at very low dosage levels.

Key Features and Typical Benefits

- 100% silicone compound
- Outstanding persistence (durability) and good knockdown at low add-on levels
- Highly efficient at low dosage
- Effective across a wide pH range at a high temperature
- Effective across a broad set of process conditions

Typical Physical Properties

| Property | Typical Value |
|-------------------------|---------------|
| Appearance | White solid |
| Density | -1.00 |
| Actives Content, % | 100% |
| Viscosity (25 °C), mPas | >1,000,000 |

Potential Applications

When suitably emulsified, AMP-14 silicone antifoam compound is an excellent candidate to consider to control foam and improve drainage in various pulp mill processes such as:

- Brown stock washing
- Screening
- Bleaching
- Waste water treatment

General Considerations for Use

AMP-14 silicone antifoam compound is too viscous to be pumped, but, by simply inverting the drums, the material can be cleanly transferred into a reactor.

Depending upon the type and duration of mixing, it is possible to attain a viscosity below 100,000 cSt.

Momentive can offer guidance on selecting best practices to best emulsify AMP-14 silicone antifoam compound, both in terms of the equipment needed as well as the optimum formulation, in order to maximize foam control and result in effective drainage on the filters.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated

specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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