

## Niax\* Silicone L-850

### Product Description

Niax Silicone L-850 is a low emission, medium potency, alkyl-pendant, organosilicone surfactant for the use in flexible slabstock foam applications that require the use of flame retardants. Use of this surfactant may minimize the amount of flame retardant required to pass combustibility tests. Test data indicates that the typical range of FR reduction is 10 to 30% less than presently required using existing “FR” silicone surfactants like Niax Silicone L-820, Niax Silicone L-818 and Niax Silicone L-835.

The potential for great FR savings exists when using Niax Silicone L-850. This product can be used in conventional foam manufacturing processes as well as in those that use CO<sub>2</sub> as auxiliary blowing agent. Niax Silicone L-850 provides excellent froth formation and stability (as required for “CO<sub>2</sub> processes”) to make soft and low density foam grades.

### Key Features and Typical Benefits

- Low emission properties, with reduced content of low molecular weight siloxanes
- 10 – 30% reduction in flame retardant requirement over existing “FR surfactants”
- Wide foam processing latitude
- Excellent processing on all types of foam equipment
- Very fine cell structure in “CO<sub>2</sub> processes”
- Open cells and good density distribution

### Typical Physical Properties

|                           |              |
|---------------------------|--------------|
| Appearance                | Clear liquid |
| Viscosity at 23 °C, cSt   | 1050         |
| Specific Gravity at 23 °C | 1.031        |

Typical properties are average data and are not to be used as or to develop specifications.

### 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](http://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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