

## Niax\* Catalyst C-31

### Urethane Additives - Rigid Foam

#### Description

Niax Catalyst C-31 is a delayed action catalyst for the manufacture of rigid polyurethane and polyisocyanurate foams produced by continuous lamination or mould injection processes. This catalyst can facilitate accelerated foam hardening and improved green strength and foam adhesion properties and is an excellent candidate for the production of PUR or PIR foam high thickness panels.

#### Key Features and Typical Benefits

- High selectivity toward PIR reactions, to boost the formation of a fully cross-linked polymer network after gelation occurs
- Improved surface cure, stiffness and reduced swelling of PIR insulation boards and metal faced panels.
- Improved cure of PUR foam where slow reactivity or low mould temperature tends to affect the polymer cure.

#### Typical Physical Properties

|                           |                           |
|---------------------------|---------------------------|
| Appearance                | Clear, pale yellow liquid |
| Viscosity at 25 °C, cSt   | 60                        |
| Water Content %           | 2                         |
| Specific Gravity at 25 °C | 1.18                      |
| OH value mg KOH/g         | 620 (745 including water) |

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

#### General Considerations For Use

Typical product usage level is between 1 and 5 parts per one hundred parts polyol.

Niax Catalyst C-31 can be used in addition to an existing catalyst package while maintaining the required reaction profile.

If used in combination with a blowing catalyst, it can enable improved flow without affecting cure time.

Use of Niax Catalyst C-31 in combination with Niax Catalyst C-5 and Niax Catalyst Potassium Octoate LV and a suitable Niax Silicone is recommended.

Detailed guidelines on application and usage of Niax Catalyst C-31 can be obtained by contacting the nearest Momentive Customer Service Center or your local Momentive contact.

### **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.

### **Contact Information**

For product prices, availability, or order placement, contact our customer service at [Momentive.com/CustomerService/](http://Momentive.com/CustomerService/)

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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