

# Niax™ EF-Catalysts

## Highly Efficient Foam Emission and Odor Control

Momentive Performance Materials offers specially formulated reduced emission and low odor catalysts for flexible polyurethane foam application to substantially reduce or virtually eliminate amine emissions in automotive interior, quality bedding, and furniture foam.

The full range of special reduced emission and low odor amine-based catalysts allows foam producers to tailor solutions to customers and to continuously meet evolving foam emission regulations and eco-labels such as from IKEA, Certipur, Blue Angel, LGA, and more.

### KEY FEATURES AND TYPICAL BENEFITS:

- Lower emission/odor properties compared to similar catalysts
- Easily metered with conventional equipment
- Smooth rise profiles
- Maintains competitive foam physical properties
- Wide processing latitude
- Can be considered for use in a variety of flexible slabstock foam formulations
- Compatible with a broad range of raw materials

**TABLE 1: SELECTION OF NIAX LOW EMISSION CATALYSTS**

Product name	Product description	Typical viscosity [cSt]
<b>Niax Catalyst EF-100S</b>	Strong reactive blow catalyst with low emission and low odor properties offering wide processing latitude and good foam physical properties; may be considered for polyether and polyester application	12
<b>Niax Catalyst EF-230</b>	Effective blow/balanced reduced-emission reactive catalyst with very low odor; an excellent candidate to consider for high-breathability foam in high-TDI-index foam formulation; may reduce emissions of 2-EHA and neodecanoic acid; only recommended for high-NCO-index formulation	4.5
<b>Niax Catalyst EF-350</b>	High-potency, low-viscosity formulated catalyst with reduced emissions, offering balanced blow and gel reactions, as well as smooth reaction profiles; can be considered for use in TDI- and MDI-based formulations; may reduce emissions of 2-EHA **	50
<b>Niax Catalyst EF-600S*</b>	Gel catalyst that may be considered for minimizing emissions and odor in automotive interior, flexible slabstock, and viscoelastic foams	1100
<b>Niax Catalyst EF-700</b>	Effective blow/balanced reduced emission catalyst with very low odor; an excellent candidate to consider for automotive interior, furniture foams, and quality bedding (mattress-in-box); may reduce emissions of 2-EHA	350

Note: S = Slabstock if sold for multiple application \* contains 20% water \*\*2-EHA = 2-Ethylhexanoic acid

### Relative reactivity comparison of Niax EF-Catalysts vs. conventional catalysts





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