

H1 Chemical Foaming Agent



TecoCell



TecoCell H1 chemical foaming agent is a specially formulated concentrate that is recommended for foaming polyolefins and polystyrene, and for the nucleation of these polymers when formed with physical blowing agents.

This product is targeted for customers looking for an eco-friendly chemical foaming agent for applications that require no initial capital investment.

Typical Properties and Recommendations

Activation Temperature:	>200°C / 393°F
Minimum Processing Temperature:	>220°C / 430°F
% Active:	~50%
Carrier Resin:	Proprietary
Color and Appearance:	White round or oval pellets
Bulk Density:	~39 lbs/ft ³
Specific Gravity:	1.329 g/cm ³
Usage Level:	Start at 1% and adjust levels as required to obtain target properties.

Regulatory Compliance

FDA Compliance:	Complies with FDA regulations for food packaging and food contact applications
TSCA:	The components of this material are reported in the US EPA TSCA inventory and the Canadian DSL.
RCRA:	Not a hazardous material or hazardous waste by listing or characteristic
SARA Title III:	Section 302, Extremely Hazardous Substances: None
	Section 311/312, Hazardous Categories: No SARA Hazards
	Section 313, Toxic Chemicals: None

The information and recommendations made herein are based on the research of others and are believed to be accurate. However, nothing herein is to be taken as a warranty, expressed or implied, regarding the accuracy of the information or the use of this product, and purchasers should make their own tests and evaluation to determine the suitability of this product in their application. Nothing herein is to be construed as a recommendation to use or as a license to operate under or to infringe any existing patents.



Trexel

Microcellular Foaming Products from Trexel

MuCell® physical foaming systems

- Excellent microcellular structure in most materials, including high temperature, filled materials and engineering grade resins
- Higher weight reduction
- Flatter parts and better dimensional stability
- Higher capital investment
- Lower running costs

TecoCell® chemical foaming agents

- Excellent cell structure in unfilled materials
- Better part aesthetics
- Lower capital investment
- Higher running costs
- Cost-effective in lower volume applications
- Easier implementation in blow molding applications

For more information, please visit www.trexel.com.
MuCell and TecoCell are registered trademarks of Trexel Inc.

About Trexel

Trexel is in the business of providing technology which places tiny cells of gas in plastic parts, and our passion is manifested in the broader benefits that these micro bubbles can deliver. Our microcellular foaming technology **reduces production cost** while **increasing environmental sustainability**.

Our technology enables **lighter, more dimensionally stable products** which can be **produced faster** on **smaller, more energy efficient equipment**.

Since 1995 we have been applying our technology to thousands of applications in dozens of industries. We have developed unsurpassed know-how, continuously improved our technology and enhanced our services, growing into the **global leader in microcellular foaming technology** we are today.

