

# Foaming Agents

## Polyurethane / Gritene® n-Pentane



### Gritene® n-Pentane: Polyurethane foaming agent with lesser affectation in SEVESO.

Gritene® n-pentane is a pentane mixture designed to replace n-pentane in the polyurethane industry. Due to its design, it maintains the properties provided by n-pentane, but the boiling point of the mixture is increased, moving the classification from extremely flammable liquids and vapors to highly flammable liquids and vapors. With this change, a reduction in the affectation of the danger and affectation of the product in terms of SEVESO regulations is achieved.

#### Chemical Name:

Normal-pentane, isopentane, cyclopentane

#### CAS Number:

N/A



#### Technical Characteristics:

- > Highly flammable and colorless liquid hydrocarbon.
- > Good chemical stability.
- > Thermal conductivity similar to that of n-pentane.
- > Does not affect the ozone layer and low global warming potential (GWP).
- > Product with less impact in terms of SEVESO regulations due to not being considered an extremely flammable liquid.

#### Packaging:

- Drums
- Roll drums
- Containers - Tank

#### Applications:



Polyurethane mainly for the manufacture of sandwich panel or mixed with other hydrocarbons.



EPS



XPS

## Properties:

Chemical Formula	C5H12	
Molecular Weight	72	g/mol
Boiling Point	25	°C
Vapor pressure (20°C)	0,55	bara
Vapor pressure (50°C)	1,55	bara
Liquid Density (20°C)	0,63	kg/l
Liquid Density (50°C)	0,60	kg/l
Thermal conductivity (20°C)	13,8	mW/mK
LEL (Lower Explosive Limit)	1,1	% volume
UEL (Upper Explosive Limit)	7,8	% volume

## More information:

If you want more information about our products, contact us.

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GRIT, Gases Research Innovation & Technology

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