

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Product Specifications*

<b>Catalogue Number</b>	47223
<b>Product</b>	<b>Silicon nitride nanofibers (100nmX800 nm)</b>
<b>CAS Number</b>	12033-89-5
<b>Molecular Formula</b>	Si <sub>3</sub> N <sub>4</sub>
<b>Molecular Weight</b>	140.28

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<b>Appearance</b>	Grey white nanowhisker/nanofiber
<b>Density</b>	Bulk density 0.044 g/cm <sup>3</sup>
<b>Mesh Size</b>	APS 100 nmX800 nm, SSA 45 m <sup>2</sup> /g
<b>Purity</b>	≥ 99% (Trace metals basis)
<b>Application</b>	Silicon nitride used in metallurgy, material composites, aviation and military hardware, mechanical devices
<b>Storage</b>	Store at RT

**For Laboratory Use Only**