

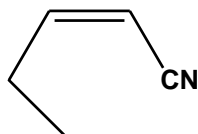
DYTEK[®] 2-Pentenenitrile (2PN) (Produced in the USA)

2-Pentenenitrile



Product Description

DYTEK[®] 2PN nitrile is a linear unsaturated liquid nitrile. Its conjugated double bond enables a series of addition reactions at the 3 carbon, producing ethyl-branched derivatives.



Applications

- Ethyl-branched fatty diamines, ether nitriles, ether amines
- 1,3-pentanediamine: monomer, curative, amine extender, intermediate
- Pyridine, pyridine derivatives
- Pentylamines
- Penteneamide, pentenoic acid and esters
- Valeronitrile, 2-butylimidazole, valeric acid, esters, and polyol esters
- Diels-Alder adducts
- Sulfonated alkane nitriles, acids, amides

Typical Composition (wt %)

cis-2-Pentenenitrile	70
Branched C5 mono nitriles	21
Linear C5 mono nitriles	2
Cyclohexane	1
Benzene	4
HCN, ppm	<50

*This composition is representative for the US product only

General Information (Pure Component)

CAS Number	25899-50-7
Molecular Weight	81.1
Boiling Point, °C (°F)	127 (261)
Freezing Point, °C (°F)	-46 (-51)
Solubility in Water, 20°C (68°F), wt%	1
Specific Gravity, 20°C (68°F)	0.82
Flash Point, cc, °C (°F)	2 6 (79)

Shipping:

Refer to MSDS.

Packaging:

Railcar	Net Weight (lbs/kg) 140,000/63,500
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For Samples and Information: INVISTA™
Specialty Intermediates • (800) 231-0998
www.DYTEK.INVISTA.com

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