

Piperylene

Product name:	Piperylene 67%
Molecular formula:	C ₅ H ₈
Formula weight:	68.12
Synonyms:	1,3-Pentadiene
CAS No.:	504-60-9 (1,3 Pentadiene)
Uses:	Base chemical. Raw material for use in the chemical industry.

Composition/ Information on Ingredients:

Ingredient:	Piperylene
Weight%:	≥67

Physical and Chemical Properties:

Boiling point:	42°C (108°F)	
Melting point:	-78°C (-108°F)	(H ₂ O=1)
Flash point:	-29°C (-20°F)	
Vapor pressure (MM HG):	45 kPa at 20°C / 68°F	
Specific gravity:	0,7 at 15,6°C / 60,0°F	
Vapor density (Air=1):	2.35 (air=1)	
Water solubility:	Insoluble.	
	0.05g/L Negligible	
Explosion / Flammability:	1 - 8,3% (V)	
Appearance / Odor:	Colorless or light colored liquid, with disagreeable odour.	

Stability and Reactivity:

Stability:	Forms peroxides and subsequently polymerizes. Reacts violently with strong oxidizing agents. Normally stable under ambient conditions and if properly inhibited.
Hazardous polymerization:	May occur
Conditions to avoid:	Heat, flames, sparks, other sources of ignition, insufficient inhibitor
Incompatibles:	Strong oxidizing agents

For order or more information please contact chemie@sunny-gmbh.de.

Disposal Considerations:

Dispose in accordance with both national and local environmental regulations.

Transportation Information (for reference):

Proper Shipping Name: Piperylene
 Class: 3
 Packing Group: II
 UN/NA: UN1993

Specification of Piperylene

(PIP 67%)

Item	Specification	
APPEARANCE	Colorless and clear liquid	
Color	Pt-Co	99.5 MIN
Piperylene	%	67.0
Tvans Piperylene	%	42
Dicyclopentadiene + cydopentadiene	%	1.0
Cydopentane + cydopentene	%	Surplus
Water	%	0.025

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