



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,Z)-7,11-Hexadecadienyl acetate	Product code	EP00009
CAS No.	52207-99-5	Pheromone code	7Z,11Z-16:OAc
Molecular formula	C18H32O2	Molecular weight	280.45

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (7Z,11Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Boiling point	130–132 °C / pressure not stated	Density	0.885 g/cm ³ (20 °C)
Solubility	In water, 0.2 mg/L at 25 °C		

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Pectinophora gossypiella (pink bollworm)
Order / family	Lepidoptera: Gelechiidae
Crops	Cotton
Reported use	Monitoring; mass trapping; mating disruption
Reported blend components	(Z,E)-7,11-hexadecadienyl acetate
Reported blend ratio	(Z,E)-7,11-hexadecadienyl acetate: 44:56 (Z,E to Z,Z)
Key reference	doi:10.1007/bf01014723; doi:10.1007/bf01014722