



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,E)-9,11-Tetradecadienyl acetate	Product code	EP00003
CAS No.	50767-79-8	Pheromone code	9Z,11E-14:OAc
Molecular formula	C ₁₆ H ₂₈ O ₂	Molecular weight	252.39

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (9Z,11E)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Density	0.890 g/cm ³	Flash point	107.1 °C
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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	Dioryctria abietella (spruce coneworm); Dioryctria mendacella (cone moth)
Order / family	Lepidoptera: Pyralidae; Lepidoptera: Pyralidae
Crops	Pinus koraiensis; Picea abies
Reported use	Monitoring
Reported blend components	(3Z,6Z,9Z,12Z,15Z)-pentacosapentaene (C ₂₅ pentaene)
Reported blend ratio	(3Z,6Z,9Z,12Z,15Z)-pentacosapentaene (C ₂₅ pentaene): 1:23
Dispenser loading	100 ug of 9Z,11E-14:OAc combined with 1,000-3,000 ug of C ₂₅ pentaene per trap
Trap type	pheromone-baited trap
Key reference	doi:10.1093/jee/toab227; doi:10.1007/s10886-017-0846-8