



TECHNICAL DATA SHEET

Standard grade

Product name	(E)-11-Hexadecen-1-ol	Product code	EP00044
CAS No.	61301-56-2	Pheromone code	11E-16:OH
Molecular formula	C16H32O	Molecular weight	240.42

Specification

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

Physical properties (literature reference)

Density	0.847 g/cm ³	Flash point	134.9 °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	Neoleucinodes elegantalis (tomato fruit borer); Chilo partellus (spotted stem borer); Leucinodes orbonalis (brinjal fruit and shoot borer); Sceliodes cordalis
Order / family	Lepidoptera: Crambidae; Lepidoptera: Pyralidae
Crops	Tomato; maize; sorghum; brinjal; eggplant
Reported use	Mass trapping
Reported blend components	(Z)-3,(Z)-6,(Z)-9-tricosatriene (Z3,Z6,Z9-23:Hy); (E)-11-hexadecenyl acetate (E11-16:Ac)
Reported blend ratio	(E)-11-hexadecenyl acetate (E11-16:Ac): 1:1
Dispenser loading	1,000 microg dose on white rubber septa
Key reference	doi:10.1023/a:1012299021967; doi:10.1007/s10886-023-01419-0