



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-11-Hexadecen-1-ol	Product code	EP00026
CAS No.	56683-54-6	Pheromone code	11Z-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 (11Z)	≥ 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	Chilo infuscatellus; Heliothis virescens; Heliothis subflexa; Sesamia inferens
Order / family	Lepidoptera: Crambidae; Lepidoptera: Noctuidae; Lepidoptera: Noctuidae
Crops	Sugarcane
Reported use	Monitoring
Reported blend components	tetradecanal; (Z)-9-tetradecanal; hexadecanal; (Z)-7-hexadecenal
Dispenser loading	0.25% Z11-16:OH relative to total pheromone content in PVC dispenser (also tested at 1% and 5.95%)
Key reference	doi:10.1007/bf01012390; doi:10.1007/bf01021024