



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-9-Tetradecenal	Product code	EP00007
CAS No.	53939-27-8	Pheromone code	9Z-14:Ald
Molecular formula	C14H26O	Molecular weight	210.36

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)
Isomeric purity (9Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C (or –20 °C), protected from light, under nitrogen, container filled to minimise headspace	Retest period	12 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Helicoverpa armigera; Homoeosoma nebulellum
Order / family	Lepidoptera: Noctuidae; Lepidoptera: Pyralidae
Crops	Sunflower
Reported use	Monitoring
Reported blend components	(Z,E)-9,12-tetradecadienal; (Z)-11-hexadecenal; (Z)-13-octadecenal
Reported blend ratio	(Z,E)-9,12-tetradecadienal: 4.8% (Z)-11-hexadecenal: 49.5% (Z)-13-octadecenal: 37.1%
Key reference	doi:10.1007/bf00983772; doi:10.1016/j.jinsphys.2012.05.018