



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-3-Nonen-1-ol	Product code	EP00108
CAS No.	10340-23-5	Pheromone code	3Z-9:OH
Molecular formula	C ₉ H ₁₈ O	Molecular weight	142.24

Specification

Property	Specification	Method
Appearance	Clear, colourless liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (3Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Boiling point	107–109 °C / 20 mm Hg	Density	0.841 g/cm ³
Refractive index	n _D 1.440	Solubility	Practically insoluble to insoluble in water

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	Schistocerca americana (American bird grasshopper); Anastrepha obliqua; Schistocerca piceifrons (Central American locust)
Order / family	Diptera: Tephritidae
Reported blend components	(Z)-2-octen-1-ol; nonanal; phenethyl alcohol; 1-heptanol
Key reference	doi:10.1007/s10886-012-0233-4; doi:10.1007/s10886-021-01248-z