



TECHNICAL DATA SHEET

Standard grade

Product name	Nonanal	Product code	EP00116
CAS No.	124-19-6	Pheromone code	9:Ald
Molecular formula	C ₉ H ₁₈ O	Molecular weight	142.24

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow oily liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)

Physical properties (literature reference)

Boiling point	195 °C / pressure not stated	Density	0.8264 g/cm ³
Refractive index	n _D 1.4273 (20 °C)	Flash point	64 °C (closed cup)
Solubility	In water, 96 mg/L at 25 °C		

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	Spodoptera frugiperda (fall armyworm)
Order / family	Lepidoptera: Noctuidae
Reported use	Monitoring
Reported blend components	(Z)-9-tetradecenyl acetate (Z9-14:OAc)
Key reference	doi:10.1002/ps.7460