



TECHNICAL DATA SHEET

Standard grade

Product name	Tetradecanal	Product code	EP00058
CAS No.	124-25-4	Pheromone code	14:Ald
Molecular formula	C ₁₄ H ₂₈ O	Molecular weight	212.37

Specification

Property	Specification	Method
Appearance	Colourless to yellow liquid or low-melting solid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)

Physical properties (literature reference)

Melting point	30.0 °C	Boiling point	166 °C / 24 mm Hg
Density	0.825 g/cm ³	Refractive index	n _D 1.438
Flash point	106 °C	Solubility	Soluble in most organic solvents

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	Campoletis chlorideae; Sphodromantis lineola; Choristoneura fumiferana; Heliothis virescens
Order / family	Ichneumonidae; Lepidoptera: Noctuidae; Orthoptera: Acrididae
Reported blend components	2-heptadecanone (2-Hep); pentadecanal; (E/Z)11-14:Ald; (Z)-9-tetradecenal
Reported blend ratio	2-heptadecanone (2-Hep): 1:4.6
Key reference	doi:10.1073/pnas.2215442119; doi:10.1023/b:joec.0000013188.79411.18