



TECHNICAL DATA SHEET

Standard grade

Product name	(E)-4-oxohex-2-enal	Product code	EP00063
CAS No.	2492-43-5	Pheromone code	2E-6:Ald
Molecular formula	C ₆ H ₈ O ₂	Molecular weight	112.13

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)
Isomeric purity (2E)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Density	0.969 g/cm ³	Flash point	75.1 °C
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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	Stenotus rubrovittatus (sorghum plant bug); Nezara viridula (southern green stink bug)
Order / family	Heteroptera: Miridae; Heteroptera: Pentatomidae
Reported blend components	hexyl butyrate; (E)-hex-2-en-1-yl butyrate
Key reference	doi:10.1007/s10886-010-9795-1; doi:10.1007/bf02033198