



TECHNICAL DATA SHEET

Standard grade

Product name	(E)-2-Hexenyl (Z)-3-hexenoate	Product code	EP00059
CAS No.	53398-87-1	Pheromone code	—
Molecular formula	C ₁₂ H ₂₀ O ₂	Molecular weight	196.29

Specification

Property	Specification	Method
Appearance	Clear, colourless liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (2E)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Boiling point	114–115 °C / 15 mm Hg	Density	0.897 g/cm ³
Refractive index	n _D 1.453	Solubility	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	Aggregation pheromone
Target species	Riptortus clavatus (bean bug); Ooencyrtus nezarae
Order / family	Heteroptera: Alydidae
Reported blend components	(E)-2-hexenyl (E)-2-hexenoate; myristyl isobutyrate
Key reference	doi:10.1007/s10886-005-9024-5; doi:10.1007/s10886-006-9093-0