



TECHNICAL DATA SHEET

Standard grade

Product name	Ethyl 4-methyloctanoate	Product code	EP00032
CAS No.	56196-53-3	Pheromone code	—
Molecular formula	C ₁₁ H ₂₂ O ₂	Molecular weight	186.29

Specification

Property	Specification	Method
Appearance	Clear, colourless oily liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)

Physical properties (literature reference)

Density	0.870 g/cm ³	Flash point	82.9 °C
---------	-------------------------	-------------	---------

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	Oryctes rhinoceros; Oryctes monoceros; Oryctes elegans; Oryctes agamemnon
Order / family	Coleoptera: Scarabaeidae (Dynastinae); Coleoptera: Dynastidae
Crops	Coconut; oil palm; date palm
Reported use	Mass trapping
Reported blend components	ethyl chrysanthemate; 4-methyloctanoic acid; ethyl 4-methylheptanoate; 4-methyloctanyl acetate
Trap type	vertical PVC tube trap
Key reference	doi:10.1007/bf02035152; doi:10.1007/s10886-006-9106-z