



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-3-Dodecen-12-olide	Product code	EP00075
CAS No.	87371-99-1	Pheromone code	—
Molecular formula	C ₁₂ H ₂₀ O ₂	Molecular weight	196.29

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (3Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

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	Sex pheromone
Target species	<i>Agrilus planipennis</i> (emerald ash borer)
Order / family	Coleoptera: Buprestidae
Crops	<i>Fraxinus pennsylvanica</i> (green ash); <i>Fraxinus</i> spp. (ash)
Reported use	Monitoring
Reported blend components	(Z)-3-hexenol / (3Z)-hexenol (green leaf volatile)
Dispenser loading	3.0 mg/septum (moderate dose; low doses of 0.001–1.0 mg were inconsistent)
Trap type	green prism trap (also tested on purple prism/sticky traps and canopy traps)
Key reference	doi:10.3390/insects10100323; doi:10.1603/en11029