



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,Z,Z)-9,12,15-Octadecatrienal	Product code	EP00137
CAS No.	2423-13-4	Pheromone code	9Z,12Z,15Z-18:Ald
Molecular formula	C18H30O	Molecular weight	262.43

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 90.0 %	GC-FID (PEG)
Isomeric purity (9Z,12Z,15Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

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	Hyphantria cunea; Estigmene acrea; Phauda flammans
Order / family	Lepidoptera: Arctiidae; Lepidoptera: Zygaenidae
Crops	Ficus spp.
Reported use	Monitoring
Reported blend components	(Z,Z)-9,12-octadecadienal; (Z,Z)-3,6-cis-9,10-epoxyheneicosadiene; (9Z,12Z)-9,12-octadecadienal; cis-9,10-epoxy-(3Z,6Z)-3,6-henicosadiene
Reported blend ratio	(Z,Z)-9,12-octadecadienal: 5:6 (Z,Z)-3,6-cis-9,10-epoxyheneicosadiene: 6:13 (9Z,12Z)-9,12-octadecadienal: 5:4:10:2
Key reference	doi:10.1007/bf00987787; doi:10.1002/ps.5423