



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-7,8-Epoxy-2-Methyloctadecane	Product code	EP00087
CAS No.	29804-22-6	Pheromone code	18:Hy
Molecular formula	C ₁₉ H ₃₈ O	Molecular weight	282.5

Specification

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

Storage and handling

Storage conditions	2–8 °C, dry, protected from light, away from acids	Retest period	12 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	<i>Lymantria dispar japonica</i> (flighted spongy moth); <i>Lymantria dispar</i> (spongy moth / gypsy moth); <i>Lymantria dispar dispar</i> (gypsy moth)
Order / family	Lepidoptera: Lymantridae; Lepidoptera: Erebidæ; Lepidoptera: Erebidæ
Crops	Oak
Reported use	Mating disruption
Trap type	pheromone-baited monitoring trap
Key reference	doi:10.1007/s10886-024-01526-6; doi:10.3390/insects17050470