



TECHNICAL DATA SHEET

Standard grade

Product name	[2R,3S,(-)]-2-Decyl-3-(5-methylhexyl)oxirane	Product code	EP00096
CAS No.	54910-52-0	Pheromone code	10: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</i> (gypsy moth / spongy moth); <i>Lymantria dispar japonica</i> (flighted spongy moth)
Order / family	Lepidoptera: Erebidæ; Lepidoptera: Lymantridae
Crops	Oak
Reported use	Mating disruption
Reported blend components	olefin precursor
Trap type	milk carton trap
Key reference	doi:10.1007/s10886-016-0732-9; doi:10.3390/insects17050470