



TECHNICAL DATA SHEET

Standard grade

Product name	3-Hydroxyhexan-2-one	Product code	EP00183
CAS No.	54123-75-0	Pheromone code	6:Kt
Molecular formula	C ₆ H ₁₂ O ₂	Molecular weight	116.16

Specification

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

Physical properties (literature reference)

Density	0.947 g/cm ³	Flash point	59.3 °C
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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	Anelaphus inflaticollis; Retrachydes thoracicus thoracicus; Xylotrechus chinensis; Callidiellum rufipenne
Order / family	Coleoptera: Cerambycidae; Cerambycidae: Cerambycinae; Cerambycidae: Cerambycinae
Crops	Mulberry trees
Reported use	Monitoring
Reported blend components	(S)-2-hydroxyhexan-3-one; 2,3-hexanedione; (2R,3R)-2,3-hexanediol; (2R,3S)-2,3-hexanediol
Trap type	bucket trap; intercept trap; multi-funnel trap
Key reference	doi:10.1603/022.038.0514; doi:10.1093/jee/toae075