



# TECHNICAL DATA SHEET

Standard grade

|                   |                    |                  |            |
|-------------------|--------------------|------------------|------------|
| Product name      | (E)-13-Octadecenal | Product code     | EP00177    |
| CAS No.           | 56554-90-6         | Pheromone code   | 13E-18:Ald |
| Molecular formula | C18H34O            | Molecular weight | 266.46     |

## Specification

| Property              | Specification                           | Method                                  |
|-----------------------|-----------------------------------------|-----------------------------------------|
| Appearance            | Clear, colourless to pale yellow liquid | Visual                                  |
| Chemical purity       | ≥ 98.0 %                                | GC-FID (PEG)                            |
| Isomeric purity (13E) | ≥ 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            | Duponchelia fovealis (European pepper moth)           |
| Order / family            | Lepidoptera: Crambidae, Spilomelinae                  |
| Reported blend components | (Z)-13-octadecenal; (Z)-11-hexadecenal                |
| Reported blend ratio      | (Z)-13-octadecenal: 10:1   (Z)-11-hexadecenal: 10:0.1 |
| Key reference             | doi:10.1007/s10886-018-0928-2                         |