



## TECHNICAL DATA SHEET

Standard grade

|                   |                                   |                  |         |
|-------------------|-----------------------------------|------------------|---------|
| Product name      | (Z)- $\alpha$ -Bisabolene epoxide | Product code     | EP00216 |
| CAS No.           | 111536-37-9                       | Pheromone code   | —       |
| Molecular formula | C <sub>15</sub> H <sub>24</sub> O | Molecular weight | 220.36  |

### Specification

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

### 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            | Sex pheromone                                                              |
| Target species            | Nezara viridula (Southern green stink bug)                                 |
| Order / family            | Hemiptera: Pentatomidae                                                    |
| Reported use              | Monitoring                                                                 |
| Reported blend components | trans-(Z)-alpha-bisabolene epoxide : cis-(Z)-alpha-bisabolene epoxide      |
| Reported blend ratio      | trans-(Z)-alpha-bisabolene epoxide : cis-(Z)-alpha-bisabolene epoxide: 3:1 |
| Key reference             | doi:10.1007/s10886-018-1019-0; doi:10.1603/en09114                         |