



## TECHNICAL DATA SHEET

Standard grade

|                   |                                               |                  |         |
|-------------------|-----------------------------------------------|------------------|---------|
| Product name      | 2-Hydroxyoctan-3-one                          | Product code     | EP00185 |
| CAS No.           | 52279-26-2                                    | Pheromone code   | 8:Kt    |
| Molecular formula | C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> | Molecular weight | 144.21  |

### Specification

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

### Physical properties (literature reference)

|         |                         |  |  |
|---------|-------------------------|--|--|
| Density | 0.926 g/cm <sup>3</sup> |  |  |
|---------|-------------------------|--|--|

### 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            | Plagionotus detritus ssp. detritus; Xylotrechus pyrrhoderus; Xylotrechus rufilius; Clerus mutillarius |
| Order / family            | Coleoptera: Cerambycidae; Coleoptera: Cleridae                                                        |
| Reported use              | Monitoring                                                                                            |
| Reported blend components | (R)-3-hydroxyhexan-2-one; (2S,3S)-2,3-octanediol                                                      |
| Reported blend ratio      | (2S,3S)-2,3-octanediol: 1:1                                                                           |
| Key reference             | doi:10.1007/s10886-018-1031-4; doi:10.1093/jee/tov087                                                 |