



## FuncChem (Shanghai) Inc.

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|                      |   |                       |                          |           |              |
|----------------------|---|-----------------------|--------------------------|-----------|--------------|
| Name                 | d-empenthrin  |                       |                          |           |              |
| Molecular formula    | C <sub>18</sub> H <sub>16</sub> O <sub>2</sub>  | Molecular weight      | 274.41                   |           |              |
| Effective ingredient | ≧91%  | Toxicity              | Low                      |           |              |
| Chemical structure   |   |                       |                          |           |              |
| Appearance           | Yellowish oily liquid   |                       |                          |           |              |
| Melting point        |   | Flammable point       |                          | Viscosity | 24.7cp(25°C) |
| Specific weight      | 0.932 (d <sub>4</sub> 20)   | Vapor pressure (20°C) | 2.09X10 <sup>-7</sup> Pa | Corrosion |              |
| Solubility           | Almost insoluble in water; soluble in hexane, xylene, methanol and most of other organic solvents; but it's unstable in methanol.   |                       |                          |           |              |
| Stability            | No chemical change after storage for 6 months under 40°C ; It will decompose gradually under sunlight.  |                       |                          |           |              |
| Usage                | Heating or non-heating fumigating agent, used for pests (fly, mosquito and etc.) prevention in family or poultry farm; replace camphor to be hung in closed space or cabinet for prevention of grain moth and clothes moth. |                       |                          |           |              |