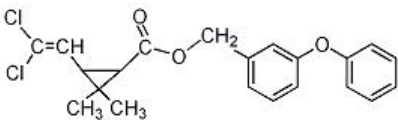


## TECHNICAL DATA SHEET OF

### Permethrin 94% TC

| Chemistry identity               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Common name                      | Permethrin 94% TC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| IUPAC name                       | 3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate<br>Roth: 3-phenoxybenzyl<br>(1RS)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate                                                                                                                                                                                                                                                                                                                                                                                     |
| CAS No                           | 52645-53-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formula structure                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Physical and chemical properties |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Appearance                       | Light yellow liquid or semi-solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Content                          | 94% min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| pH                               | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Density                          | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Solubility in water              | In water $6 \times 10^{-3}$ mg/l (pH 7, 20 ° C);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mammalian toxicity               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Acute oral                       | LD <sub>50</sub> for rats >1000 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Acute dermal                     | LD <sub>50</sub> for rats > 2000 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Acute inhalation                 | LC <sub>50</sub> (3 h) for rats >6585 mg/m <sup>3</sup> air                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Environment fate                 | <b>Animals</b> In mammals, there is hydrolysis of the ester bond, hydroxylation, and elimination as the glucoside conjugate. <b>Soil/Environment</b> In soil and water, degradation is rapid. DT50 in soil <38 d (pH 4.2–7.7, o.m. 1.3–51.3%).                                                                                                                                                                                                                                                                                                                                        |
| Handling and storage             | <b>Handling:</b> Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. Avoid contact with skin, eyes and clothing; material may be an irritant.<br><b>Storage:</b> Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. |
| Package                          | 25kg drum or customized package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |