

# A Acaricide

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical                                    | Dosage  |
|---|---|
| 1,8-CINEOLE                                 | LC100=6 uM                                    |
| 12-ALPHA-HYDROXYROTENONE                    |   |
| ACETYL-EUGENOL                              | LD50=14.16 ug/sq.cm of DEET at 37.59 ug/sq.cm |
| ACROPHYLLINE-OXIDE                          |   |
| ACRYOPHYLLINE                               |   |
| ALPHA-CADINOL                               |   |
| ALPHA-TERPINENE                             |   |
| BENZYL-ACETATE                              |   |
| BENZYL-BENZOATE                             | LD50=9.22 ug/sq cm cf DEET at 37.59 ug/sq cm  |
| BUTYLIDENE-PHTHALIDE                        |   |
| CINNAMALDEHYDE                              |   |
| CITRONELLAL                                 |   |
| EPOXYPSEUDOISOEUGENOL-2-METHYLBUTYRIC-ESTER |   |
| EUGENOL                                     | LD50=5.47 ug/sq cm cf DEET at 37.59 ug/sq cm  |
| FORMIC-ACID                                 |   |
| GAMMA-TERPINENE                             |   |

| <b>Chemical</b> | <b>Dosage</b>           |
|-----------------|-------------------------|
| LIMONENE        | LC100=8 uM              |
| LINALOOL        | C90=<15 ul/l (= <15 ppm |
| MENTHONE        |                         |
| O-ANISALDEHYDE  |                         |
| OXALIC-ACID     |                         |
| PERILLALDEHYDE  |                         |
| ROTENONE        |                         |
| THYMOL          |                         |