Claims:

1. An insecticidal active ingredient - matrix particles with a particle size d50 of 0.1 to 75 microns comprising

   a) at least one insecticidal active ingredient selected from the group consisting of isoxazolines, meta-diamides, arylpyrazolheteroarylamides and arylpyrazolarylamides, wherein the at least one insecticidal active ingredient is distributed in
   b) a matrix material comprising polymerized monomer units selected from the group of C7 to C12 unsaturated aromatic hydrocarbons.

2. An insecticidal active ingredient - matrix material particle according to claim 1, characterized in that the weight ratio between the at least one insecticidal active ingredient and the matrix material is from 1:99 to 1:1.

3. An insecticidal active ingredient - matrix material particle according to claim 1 or 2, characterized in that the at least one insecticidal active ingredient is selected from the group consisting of 2-chloro-N-cyclopropyl-5-{1-[2,6-dichloro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)phenyl]-1H-pyrazol-4-yl}-N-methylnicotinamide, Broflanilide and 4-[(5S)-5-(3,5-dichloro-4-fluorophenyl)-5-(trifluoromethyl)-4,5-dihydro-1,2-oxazol-3-yl]-N-[(4R)-2-ethyl-3-oxo-1,2-oxazolidin-4-yl]-2-methylbenzamide.

4. An insecticidal active ingredient - matrix particle according to one of the claims 1 to 3, characterized in that the molecular weight of the matrix material is between 1 to 1000 kDa.

5. An insecticidal composition with an insecticidal active ingredient - matrix material particle according to one of the claims 1 to 4, wherein the insecticidal composition comprises

   a) an insecticidal active ingredient – matrix material particle according to one of the claims 1 to 4,

   b) one or more surfactant(s),

   c) optionally further adjuvants selected from the group of anti-freeze agents, anti-foam agents, preservatives, anti-oxidants, thickeners, colourants and binders,

   d) a liquid phase and/or fillers.

6. An insecticidal composition according to claim 5, wherein the insecticidal composition comprises

a) from 1 to 70% by weight of insecticidal active ingredient - matrix material particles according to one of the claims 1 to 4,

b) from 1 to 25 % of one or more surfactant(s),

c) from 0 to 25 % by weight of adjuvants selected from the group of anti-freeze agents, anti-foam agents, preservatives, anti-oxidants, thickeners, colourants and binders,

d) liquid phase and/or fillers which in any case add up to 100% per weight of the total insecticidal composition.

7. An insecticidal composition according to claim 5 or 6, wherein the insecticidal composition is in the form of a suspension concentrate (SC), water-dispersable granule (WG) or wettable powder (WP) or a spray solution thereof.

8. Use of an insecticidal active ingredient - matrix material particle according to one of the claims 1 to 4 or an insecticidal composition according to one of the claims 5 to 7 to control pests.

9. Method to control pests with an insecticidal active ingredient - matrix material particle according to one of the claims 1 to 4 or an insecticidal composition according to one of the claims 5 to 7.

10. A method to identify a useful matrix material for an insecticidal composition with Differential Scanning Calorimetry as follows:

a) at least one insecticidal active ingredient selected from the group consisting of isoxazolines, meta-diamides, arylpyrazolheteroarylamides and arylpyrazolarylamides and a matrix material to be tested are heated to a temperature of at least 20 °C above the melting point of the at least one insecticidal active ingredient at a steady heating rate in a first heating cycle of the Differential Scanning Calorimetry,

b) the maximal heating temperature of the first heating cycle is retained for a period of at least 10 minutes,

c) the temperature is then cooled down to a temperature of between 0°C to 40°C,

d) in a second heating cycle step, the temperature is raised to a temperature of at least 20 °C above the melting point of the at least one insecticidal active ingredient at a steady heating rate,

e) a useful matrix material is identified in case that the insecticidal active ingredient matrix material combination does not exhibit a melting peak when measured in the second heating cycle of the Differential Scanning Calorimetry.