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

   wherein the weight ratio between the insecticidal active ingredient and the matrix material is from 1:99 to 1:1.

2. The 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 5:95 to 40:60.

3. The 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. The 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. The 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) from 1 to 70 % by weight of the insecticidal active ingredient – matrix material particle 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) a liquid phase and optionally fillers which in any case add up to 100 % per weight of the total composition.

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 preparing the insecticidal active ingredient - matrix material particle of any of claims 1-5 with Differential Scanning Calorimetry, the method comprising the steps:

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

c) cooling the temperature down to a temperature of between 0°C to 40°C,

d) in a second heating cycle step, raising the temperature 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) identifying a useful matrix material in case that the insecticidal active ingredient and matrix material combination does not exhibit a melting peak when measured in the second heating cycle of the Differential Scanning Calorimetry.