

1. Από 1.9.88 και μετά οι ποσότητες του τεχνικά καθαρού MALATHION, που εισάγονται με σκοπό να τυποποιηθούν σε σκευάσματα που θα κυκλοφορήσουν στη χώρα μας θα έχουν προδιαγραφές σύμφωνες με τις περιγραφόμενες από την έκδοση του FAO 1979, FAO SPECIFICATION 12/1/S/8.

2. Από 1.1.89 τα σκευάσματα DIAZINON, που εισάγονται ή διατίθενται σε λιανική πώληση θα έχουν τις αντίστοιχες προδιαγραφές του FAO 1979 και συγκεκριμένα:

α. Σκόνες επίπασης (DUSTS,D). θα συμφωνούν με FAO SPECIFICATION 12/2/S/8.

β. Βρέξιμες σκόνες (DISPERSIBLE POWDERS, W.P), θα συμφωνούν με FAO SPECIFICATION 12/3/S/8.

γ. Υγρά γαλακτοματοποιήσιμα (EMULSIFIABLE CONCENTRATES E.C), θα συμφωνούν με FAO SPECIFICATION 12/5/S/8.

Η απόφαση αυτή να δημοσιευθεί στην Εφημερίδα της Κυβερνήσεως.

Αθήνα, 13 Απριλίου 1988

Ο ΥΦΥΠΟΥΡΓΟΣ
Δ. ΠΙΤΣΙΩΡΗΣ

ΠΑΡΑΡΤΗΜΑ XLIII.

MALATHION TECHNICAL

FAO Specification 12/1/S/8

.1 DESCRIPTION

The material shall consist of malathion, together with related manufacturing impurities, and shall be a clear, colourless to light amber liquid, free from extraneous materials or added modifying agents.

.2 ACTIVE INGREDIENT

.2.1 Malathion [CIPAC 1B; 12/1/M2/1.2]

The Malathion content (g/kg) shall be declared (Minimum declared: 940 g/kg) and when determined, the content obtained shall not differ from that declared by more than ± 20 g/kg.

.3 IMPURITIES

.3.1 Acetone insolubles [CIPAC 1; 12/1/M/1.7]

Maximum: 5 g/kg.

.3.2 Acidity [-/M/1.6]

Maximum: 5 g/kg calculated as H_2SO_4 .

.3.3 Iron [-/m/1.4]

Maximum: 10 mg/kg.

.3.4 Water [CIPAC 1; -/M/1.8]

Maximum: 1 g/kg.

.4 CONTAINERS

Containers should not be made of iron or steel unless specially protected to prevent contamination of the material with iron.

Note 1 For special purposes, where odour is important, e.g. products for use on flowers, a deodorized product should be specified.

ΠΑΡΑΡΤΗΜΑ XLIV

MALATHION DUSTS

FAO Specification 12/2/S/8

.1 DESCRIPTION

The product shall consist of a homogeneous mixture containing malathion (complying with 12/1/S/8) as the active ingredient, together with carriers and any necessary formulants. It shall be a fine, free flowing, dustable material free from visible extraneous materials and hard lumps.

.2 ACTIVE INGREDIENT

.2.1 Malathion [CIPAC 1B; 12/2/M2/1.2]

The malathion content (Note 1) shall be declared and, when determined, the content obtained shall not differ from that declared by more than -10.0 or + 25.0% of the declared content.

.3 IMPURITIES

.3.1 Acidity [CIPAC 1; 12/2/M/1.4 (Note 2)]

Maximum: 4 g/kg calculated as H_2SO_4 .

.4 PHYSICAL PROPERTIES

.4.1 Dry sieve test [-/M/1.5]

.4.1.1 Crop protection (Use on plants)

Maximum: 5% retained on a 75 μ m test sieve.

Not more than (0.15 x x)% of the weight of the sample used for the determination shall be present as malathion in the residue on the sieve, where x is the percentage malathion content found under .2.1 (Note 3).

.4.1.2 Crop protection (ground application) stored products and similar uses.

Αριθ. 72214

Τεχνικές προδιαγραφές τεχνικά καθαρού και σκευασμάτων MALATHION. (4)

Ο ΥΠΟΥΡΓΟΣ ΓΕΩΡΓΙΑΣ

Έχοντας υπόψη:

1. Τις διατάξεις του Ν. 721/77 «για την έγκριση κυκλοφορίας και τον έλεγχο των γεωργικών φαρμάκων» και ειδικότερα την παρ. δ. του άρθρου 14 του νόμου αυτού.

2. Το άρθρο 14 του νόμου αυτού.

3. Τη γνωμοδότηση 4/1η Συνεδρίαση /2.2.88 του Α.ΣΥ.ΓΕ.Φ.

4. Τις 344172/7.5.86 (ΦΕΚ 318/Β/86) και 260347/87 (ΦΕΚ 83/Β/87) κοινές αποφάσεις του Πρωθυπουργού και του Υπουργού Γεωργίας για την ανάθεση αρμοδιοτήτων Υπουργού Γεωργίας στους Υφυπουργούς Δ. Πιτσιώρη και Κ. Τσιγαρίδα, αποφασίζουμε:

Ορίζουμε ότι:

Maximum: 2% retained on a 150 µm test sieve.

Not more than $(0.06 \times x)\%$ of the weight of the sample used for the determination shall be present as malathion in the residue on the sieve, where x is the percentage malathion content found under .2.1 (Note 3).

.4.2 Flowability [CIPAC 1A; MT 44]

Maximum flow number: 12.

.5 STORAGE STABILITY

.5.1 Heat stability [CIPAC 1; 12/2/M/1.7]

After storage at $54 \pm 2^\circ\text{C}$ for 14 days the product shall continue to comply with .2.1 (except that the minimum permitted malathion content shall be 85% of that found under .2.1), .3.1 and .4.1.

.6 CONTAINERS

They shall be suitable, clean, dry and as specified in the order and shall not affect, or be affected by, the product, but shall adequately protect it from external conditions.

Containers should not be made of iron or steel unless specially protected to prevent contamination of the material with iron.

They shall comply with pertinent national and international transport and safety regulations.

.7 BIOLOGICAL PROPERTIES

*.7.1 Phytotoxicity

At the present stage of our knowledge, no test can be specified to cover phytotoxicity of formulations to crops.

When a crop is not mentioned in the instructions for use, purchasers should check with the supplier that the material is suitable, always provided that such a use is not restricted or legally forbidden.

Note 1 For special purposes where odour is important, e.g., for use on flowers, a product based on deodorized malathion should be specified.

Note 2 Alkaline fillers should not be used.

Note 3 If the dust contains a declared content of 5% malathion and 20 g of sample is used in the test, then the amount of malathion in the residue on the sieve should not exceed 0.15 g for .4.1.1, i.e.,

$$\frac{(0.15 \times X) \times \text{weight of sample}}{100} \text{ g}$$

nor 0.06 g for .4.1.2, i.e.,

$$\frac{(0.06 \times X) \times \text{weight of sample}}{100} \text{ g}$$

* For information

ΠΑΡΑΡΤΗΜΑ XLV

MALATHION DISPERSIBLE POWDERS

FAO Specification 12/3/S/8

.1 DESCRIPTION

The product shall consist of a homogeneous mixture containing malathion (complying with 12/1/S/8) as the active ingredient, together with fillers and any necessary formulants. It shall be a fine powder, free from visible extraneous materials and hard lumps.

.2 ACTIVE INGREDIENT

.2.1 Malathion [CIPAC 1B; 12/3/M2/1.2]

The malathion content (Note 1) shall be declared and when determined, the content obtained shall not differ from that declared by more than the following amounts:

Declared content	Permitted tolerance
Up to 50%	-5 or +10% of the declared content
Above 50%	-2.5 or +5 percentage units

.3 IMPURITIES

.3.1 Isomalathion [-/M2/1.11]

Maximum: 1.8% of the malathion content found under 2.1, after a stability test at 55°C for 6 days.

.3.2 Acidity [CIPAC 1; 12/3/M/1.4] (Note 2)

Maximum acidity: 5 g/kg calculated as H_2SO_4 .

.4 PHYSICAL PROPERTIES

.4.1 Wet sieve test [-/M/1.5]

Maximum: 2% retained on a 75 µm test sieve.

.4.2 Suspensibility [-/M/1.6]

A minimum of 50% of the malathion content declared under .2.1 shall be in suspension after 30 min in CIPAC Standard Water A when determined on the product as received, and in CIPAC Standard Water C after the Heat stability test, .5.1.

Alternatively, if the buyer requires other CIPAC Standard Waters to be used, then this shall be specified when ordering.

.4.3 Wettability of the product [-/M/1.7]

Shall be completely wetted in 1 min without swirling.

.4.4 Persistent foam [-/M/1.8]

Maximum: 25 ml after 1 min.

.5 STORAGE STABILITY

.5.1 Stability at 90°C [-/M/1.9]

After storage at $90 \pm 2^\circ\text{C}$ for 20 h the product shall continue to comply with .2.1 (except that the minimum content of malathion shall be (i) not less than 90% of the content found under .2.1 for products containing up to 50% and (ii) the content found - 4 percentage units for products over 50%) and .3.2, .4.1, .4.2 and .4.3.

.6 CONTAINERS

The product shall be packed in suitable, clean, dry, containers as specified in the order. The container shall provide all necessary protection against compaction, atmospheric moisture, oxidation, loss by evaporation, and/or contamination to ensure that the product suffers no deterioration under normal transit and storage conditions.

The product shall be protected by an adequate moisture barrier. This may be an inner bag of polyethylene (Note 3), or alternative means of giving equal or better protection.

Containers should not be made of iron or steel unless specially protected to prevent contamination of the material with iron.

Containers shall comply with pertinent national and international transport and safety regulations.

.7 BIOLOGICAL PROPERTIES

*.7.1 Phytotoxicity

At the present stage of our Knowledge, no test can be specified to cover the phytotoxicity of formulation to crops.

When a crop is not mentioned in the instructions for use, purchasers should check with the supplier that the material is suitable, always provided that such a use is not restricted or legally forbidden.

*.7.2 Wetting of crops [-/M/1.10]

The dilute spray should satisfactorily wet the leaves of the specified crops when used in accordance with the instructions. The wetting test specified may be useful.

Note 1 For special purposes, where odour is important, e.g. for use on flowers, a product based on deodorized malathion should be specified.

Note 2 Alkaline formulants should not be used.

Note 3 Because of the variation in the nature and size of the container, its destination and other factors, it is not possible to specify the thickness of the polyethylene, but as a guideline for a container with 50 kg of product, the inner liner might be for example at least 0.075 mm thick.

* For information

ΠΑΡΑΡΤΗΜΑ XLVI

MALATHION EMULSIFIABLE CONCENTRATES

FAO Specification 12/5/S/8

.1 DESCRIPTION

The product shall consist of an emulsifiable concentrate based on malathion (complying with 12/1/S/8) as the active ingredient, together with suitable solvents and any necessary formulants. It shall be free from visible suspended matter and sediment.

.2 ACTIVE INGREDIENT

.2.1 Malathion [CIPAC 1B; 12/5/M2/1.3]

The malathion content shall be declared (g/l at 20°C or % w/v; Note 2) and when determined, the content obtained shall not differ from that declared by more than the following amounts:

Declared content	Permitted tolerance
Up to 500 g/l or 50% w/w	-5% of the declared content +10 of the declared content
Above 500 g/l or 50% w/w	-25 g/l or -2.5 percentage units +50 g/l or +5 percentage units

.3 IMPURITIES

.3.1 Acidity [CIPAC 1; 12/5/M/1.6] (Note 3)

Maximum acidity: 5 g/l calculated as H₂SO₄.

.3.2 Iron [-/m/1.5]

Maximum: 15 mg/l.

.3.3 Water [-/M/1.8]

Maximum: 2 g/l.

.4 PHYSICAL PROPERTIES

.4.1. Emulsion stability and re-emulsification [-/M/1.10]

After the stability test at 54°C (.5.2), the product, when diluted at 30°C (Note 4) with the specified CIPAC Standard Waters, shall comply with the following:

Time after Dilution	Limits
0 h	Initial emulsification: complete
0.5 h	Cream: maximum: 2 ml
2 h	Cream: maximum: 4 ml Free oil: 0.5 ml
24 h	Re-emulsification: complete
24.5 h	Cream: maximum: 4 ml Free oil: maximum: 0.5 ml

The product shall be tested in Standard Water A and in Standard Water C. Alternatively if the buyer requires other CIPAC Standard Waters to be used then this shall be specified when ordering.

.4.2 Flash point [-/M/1.7]

Shall be not lower than the minimum declared flash point (Note 5).

The procedure used shall be stated, e.g. Abel method.

.5 STORAGE STABILITY

.5.1 Stability at 0°C [-/M/1.9]

After storage at 0°C for 7 days the volume of solid or liquid which separates shall be not more than 3 g/l.

.5.2 Stability at 54°C [-/M/1.11]

After storage at 54 ± 2°C for 14 days the product shall continue to comply with .2.1 (except that the minimum permitted malathion content shall be (i) not less than 90.0% of that found under .2.1 for products containing up to 50% and (ii) that found -5 percentage units for 50% and over) and .3.1, (except that a maximum of 1.0% acidity is permitted), and .4.1.

.6 CONTAINERS

Containers shall be lined where necessary with a suitable material or the interior surfaces treated to prevent corrosion and/or deterioration of the contents.

Containers should not be made of iron or steel unless specially protected to prevent contamination of the material with iron.

They shall comply with pertinent national and international transport and safety regulations.

.7 BIOLOGICAL PROPERTIES

*.7.1 Phytotoxicity

At the present stage of our knowledge, no test can be specified to cover phytotoxicity of formulations to crops.

When a crop is not mentioned in the instructions for use, purchasers should check with the supplier that the material is suitable, always provided that such a use is not restricted or legally forbidden.

*.7.2 Wetting of crops [-/M/1.12]

The dilute spray should satisfactorily wet the leaves of the specified crops, when used in accordance with the instructions. The wetting test specified may be useful.

Note 1 For special purposes where odour is important, e.g. for use on flowers, a product based on deodorized malathion should be specified.

Note 2 If the customer requires both % w/w and g/l at 20°C, then in case of dispute the analytical results shall be calculated as % w/w.

Note 3 Alkaline formulants should not be used.

Note 4 Unless other temperatures are specified.

Note 5 Attention is drawn to the appropriate national and international regulations on handling and transport of flammable materials.

* For information