7.3 **OIL MISCIBLE LIQUIDS (OL)**

Note for preparation of draft specifications. Do not omit clauses or insert additional clauses, nor insert limits that are more lax than those than given in the guidelines, without referring to section 4. From the “Notes” provided at the end of this guideline, incorporate only those which are applicable to the particular specification.

**...... [ISO common name] OIL MISCIBLE LIQUID**

[CIPAC number]/OL (month & year of publication)

7.3.1 **Description**

The material shall consist of a solution of technical ...... [ISO common name], complying with the requirements of FAO/WHO specification ......, in the form of ....... (see Section 4.2), together with any other necessary formulants. It shall be free from visible suspended matter and sediment.

7.3.2 **Active ingredient**

7.3.2.1 **Identity tests** (Note 1)

The active ingredient shall comply with an identity test and, where the identity remains in doubt, shall comply with at least one additional test.

7.3.2.2 **...... [ISO common name] content** (Note 1)

The ...... [ISO common name] content shall be declared (g/kg or g/l at 20 ± 2ºC, Note 2) and, when determined, the average content measured shall not differ from that declared by more than the appropriate tolerance, given in the table of tolerances, Section 4.3.2.

7.3.3 **Relevant impurities**

7.3.3.1 **By-products of manufacture or storage** (Note 3), if required

Maximum: ......% of the …… [ISO common name] content found under 7.3.2.2.

7.3.3.2 **Water** (MT 30.6), if required

Maximum: ...... g/kg.

7.3.4 **Physical properties**

7.3.4.1 **Miscibility with hydrocarbon oil** (MT 23)

If required, the formulation shall be miscible with the appropriate hydrocarbon oil (Note 4).

7.3.5 **Storage stability**

7.3.5.1 **Stability at 0 °C** (MT 39.3)

After storage at 0 ± 2 °C for 7 days, the volume of solid and/or liquid which separates shall not be more than 0.3 ml.

7.3.5.2 **Stability at elevated temperature** (MT 46.4)

After storage at 54 ± 2 °C for 14 days (Note 5), the determined average active ingredient content must not be lower than ......% relative to the determined average content found before storage (Note 6) and the formulation shall continue to comply with the clauses for:

- by-products of manufacture or storage (7.3.3.1),

- miscibility with hydrocarbon oil (7.3.4.2),

as required.

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Note 1 Method(s) of analysis must be CIPAC, AOAC or equivalent. If the methods have not yet been published, full details, and appropriate method validation data must be submitted to FAO/WHO by the proposer.

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

Note 3 This clause should include only relevant impurities and the title should be changed to reflect the name of the relevant impurity. Method(s) of analysis must be peer validated.

Note 4 The concentration should not be higher than the highest concentration recommended in the instructions for use.

Note 5 Unless other temperatures and/or times are specified. Refer to Section 4.6.2 of this Manual for alternative storage conditions.

Note 6 Samples of the formulation taken before and after the storage stability test should be analysed concurrently after the test in order to reduce the analytical error.