

WHO SPECIFICATIONS AND EVALUATIONS FOR PUBLIC HEALTH PESTICIDES

METHOPRENE*

isopropyl (*E,E*)-(*RS*)-11-methoxy-3,7,11-
trimethyldodeca-2,4-dienoate

Note. Evaluation report ONLY.



**World Health
Organization**

* The ISO common name, methoprene, and this report relate to the mixture of (*R*)- and (*S*)-enantiomers (previously known in WHO specifications as (*RS*)-methoprene), not to the resolved (*S*)-enantiomer generally known as (*S*)-methoprene.

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METHOPRENE

EVALUATION REPORT 414/2006

Recommendation

The Meeting recommended that:

- (i) the existing WHO interim specifications for (*RS*)-methoprene TC and EC should be withdrawn;
- (ii) the manufacturer should be encouraged to develop new WHO specifications for (*RS*)-methoprene and/or (*S*)-methoprene under the JMPS new procedure*.

Appraisal

The Meeting considered data for methoprene, submitted by Babolna Bio Ltd, in support of a review of existing WHO interim specifications for (*RS*)-methoprene TC (WHO/IS/TC/414/2001) and EC (WHO/IC/EC/414/2001).

The ISO common name, methoprene, refers to the mixture of (*R*)- and (*S*)-enantiomers. The existing WHO interim specifications, entitled “(*RS*)-methoprene”, refer to this mixture. The resolved (*S*)-enantiomer, commonly known as (*S*)-methoprene, is separate pesticide and was not considered by the Meeting.

The Meeting considered that there were important gaps in the data provided in support of specifications for (*RS*)-methoprene, which rendered them unsuitable for adoption as reference impurity and hazard profiles. The data were therefore considered to be inadequate to support reference specifications for (*RS*)-methoprene, in accordance with the requirements of the JMPS new procedure.

* Post-meeting note: the manufacturer has notified WHOPES that development of WHO specifications for (*RS*)-methoprene under the new procedure has been abandoned, whereas development of WHO specifications for (*S*)-methoprene is under consideration.