

Draft Assessment Report (DAR)

- public version -

**Initial risk assessment provided by the rapporteur Member State
United Kingdom for the existing active substance**

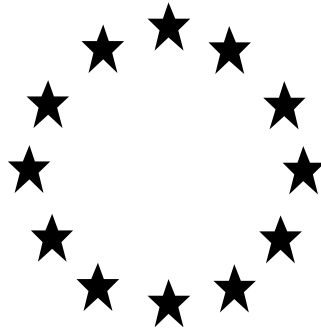
METHOMYL

**of the second stage of the review programme referred to in Article 8(2)
of Council Directive 91/414/EEC**

Volume 2, Annex A

November 2004

Council Directive 91/414/EEC



Methomyl

Volume 2

Annex A

**to the Report and Proposed Decision of the United
Kingdom
made to the European Commission under Article 8(1)
of 91/414/EEC**

List of Tests and Studies

Draft: April 2004

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A.1 Identity (IIA 1, IIIA 1)

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
Annex II Tier II Section 1	Schmuckler, M E and Stattmann, M	Nov 2002	Identity, Physical and chemical properties & Further information Revision 1	Yes	Du Pont

Plant Protection Product - 'Methomyl 20SL'

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
Annex III Tier II Section 1	Cosgrove, T and Stattmann, M	Nov 2002	Identity, Physical and chemical properties & Further information Revision 1	Yes	Du Pont
Document D-1	Stattmann, M and Ranken, D D	2001	Methomyl 20% Soluble Concentrate (SL) Details of the intended uses and Conditions of Use (GAP) supported in relation to the proposed inclusion of the plant protection product	Yes	Du Pont

A.2 Physical and Chemical Properties

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 2.1.1./01	Tuffy, C.	2001	The melting point/thermal decomposition of methomyl ABC Laboratories, Inc. DuPont-6279 GLP: Yes Published: No	Y	DuPont
IIA, 2.1.2./01	Tuffy, C.	2001	The melting point/thermal decomposition of methomyl ABC Laboratories, Inc. DuPont-6279 GLP: Yes Published: No	Y	DuPont
IIA, 2.1.3./01	Tuffy, C.	2001	The melting point/thermal decomposition of methomyl ABC Laboratories, Inc. DuPont-6279 GLP: Yes Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 2.2./01	Huntley, K.	2001	The relative density of Methomyl ABC Laboratories, Inc. DuPont-6278 GLP: Yes Published: No	Y	DuPont
IIA, 2.3.1./01	Barefoot, A.C., Cooke, L.A.	1989	Vapor pressure of methomyl DuPont Experimental Station AMR 1268-88 GLP: No Published: No	Y	DuPont
IIA, 2.3.2./01	Barefoot, A.C., Cooke, L.A.	1989	Vapor pressure of methomyl DuPont Experimental Station AMR 1268-88 GLP: No Published: No	Y	DuPont
IIA, 2.4.1./01	Silveira, E.J.	1990	Technical methomyl - physical and chemical characteristics DuPont Experimental Station AMR 1753-90 GLP: No Published: No	Y	DuPont
IIA, 2.4.2./01	Silveira, E.J.	1990	Technical methomyl - physical and chemical characteristics DuPont Experimental Station AMR 1753-90 GLP: No Published: No	Y	DuPont
IIA, 2.5.1./01	Jeffery, D.J.	2001a	Methomyl (DPX-X1179): [1]H-NMR spectrum DuPont Stine-Haskell Research Center DuPont-4569 GLP: Yes Published: No	Y	DuPont
IIA, 2.5.1./02	Jeffery, D.J.	2001b	Methomyl (DPX-X1179): mass spectrum (MS) DuPont Stine-Haskell Research Center DuPont-4568 GLP: Yes Published: No	Y	DuPont
IIA, 2.5.1./03	Jeffery, D.J.	2001d	Methomyl (DPX-X1179): IR spectrum DuPont Stine-Haskell Research Center DuPont-4570 GLP: Yes Published: No	Y	DuPont
IIA, 2.5.1./04	Moore, L.A.	1999	UV/visible absorption of methomyl DuPont Experimental Station DuPont-3116 GLP: Yes Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 2.6./01	Hoffman, R.M.	1988	Determination of the water solubility of methomyl - X1179 DuPont Experimental Station X1179.B GLP: No Published: No	Y	DuPont
IIA, 2.7./01	Moore, L.A.	2001	Solubility of methomyl (DPX-X1179) in organic solvents DuPont Stine-Haskell Research Center DuPont-4566 GLP: No Published: No	Y	DuPont
IIA, 2.8./01	Singh, H.	1988	N-octanol/water partition coefficient determination of methomyl in distilled water Enviro-Bio-Tech, Ltd. AMR 1234-88 GLP: No Published: No	Y	DuPont
IIA, 2.9.1./01	Friedman, P.L.	1983	Hydrolysis of [1-14C]methomyl DuPont Experimental Station. AMR 109-83 GLP: No Published: No	Y	DuPont
IIA, 2.9.2./01	Armbrust, K.L., Reilly, D.	1995	Indirect photodegradation of methomyl in aqueous solutions DuPont Experimental Station AMR 2975-94 GLP: Yes Published: No	Y	DuPont
IIA, 2.9.3./01	Moore, L.A.	1999	UV/visible absorption of methomyl DuPont Experimental Station DuPont-3116 GLP: Yes Published: No	Y	DuPont
IIA, 2.9.4./01	Silveira, E.J.	1990	Technical methomyl - physical and chemical characteristics DuPont Experimental Station AMR 1753-90 GLP: No Published: No	Y	DuPont
IIA, 2.10./01	Jeffery, D.J.	2001c	The stability in air of methomyl (DPX-X1179): Atkinson calculation DuPont Stine-Haskell Research Center DuPont-4653 GLP: Yes Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 2.11.1./01	Bates, M.	2001	Methomyl technical: flammability, relative self-ignition and explosive properties Covance Laboratories, Ltd., SafePharm Laboratories, Ltd. DuPont-5477 GLP: Yes Published: No	Y	DuPont
IIA, 2.11.2./01	Bates, M.	2001	Methomyl technical: flammability, relative self-ignition and explosive properties Covance Laboratories, Ltd., SafePharm Laboratories, Ltd. DuPont-5477 GLP: Yes Published: No	Y	DuPont
IIA, 2.13./01	Bates, M.	2001	Methomyl technical: flammability, relative self-ignition and explosive properties Covance Laboratories, Ltd., SafePharm Laboratories, Ltd. DuPont-5477 GLP: Yes Published: No	Y	DuPont
IIA, 2.14./01	Huntley, K.	2001	The surface tension of methomyl ABC Laboratories, Inc. DuPont-6277 GLP: Yes Published: No	Y	DuPont

Plant Protection Product - 'Methomyl 20SL'

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIIA, 2.1./01	Jourdainne, C.	1999	Physical, chemical, and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.2.1./01	Bates, M.	1999	Lannate □ 20L: determination of physico-chemical safety properties Covance Laboratories, Ltd., SafePharm Laboratories, Ltd. 550/70-D2141 GLP: Yes Published: No	N	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIIA, 2.3./01	Jourdainne, C.	1999	Physical, chemical, and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.3./02	Bates, M.	1999	Lannate □ 20L: determination of physico-chemical safety properties Covance Laboratories, Ltd., SafePharm Laboratories, Ltd. 550/70-D2141 GLP: Yes Published: No	N	DuPont
IIIA, 2.4.2./01	Jourdainne, C.	1999	Physical, chemical, and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.5.3./01	Jourdainne, C.	1999	Physical, chemical, and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.6.1./01	Jourdainne, C.	1999	Physical, chemical, and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.7.1./01	Jourdainne, C.	1999	Physical, chemical and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont

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IIIA, 2.7.2./01	Jourdainne, C.	1999	Physical, chemical, and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.7.3./01	Bloemer, D.S.	2001	Shelf life stability of methomyl 200 g/liter (DPX-X1179) soluble concentrate insecticide formulation DuPont Stine-Haskell Research Center DuPont-3093 GLP: No Published: No	N	DuPont
IIIA, 2.8.2./01	Jourdainne, C.	1999	Physical, chemical and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont
IIIA, 2.8.4./01	Jourdainne, C.	1999	Physical, chemical and technical properties of DPX-X1179 (methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont

A.3 Further Information

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
Annex II Tier II Section 1	Schmuckler, M E and Stattmann, M	Nov 2002	Identity, Physical and chemical properties & Further information Revision 1	Yes	DuPont

Plant Protection Product - 'Methomyl 20SL'

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIIA, 4.2.c	Huby, J.P., Marquet, F.	2003	Rinsing Lannate® 20L out of Field Application Equipment DuPont de Nemours (France) S.A.S. DuPont-13768 GLP: No Published: No	N	DuPont

A.4 Method of Analysis

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 4.1	Silveira, E.J.	1991	Methomyl technical (Lannate®) product identity and composition DuPont Experimental Station AMR 1735-90, Supplement No. 1 Information superseded by reports or publications submitted. Published: No	Y	DuPont
IIA, 4.1.1./01	Blaisdell, C.T.	1990	Methomyl technical (Lannate□) product identity and composition DuPont Experimental Station AMR 1735-90 Information superseded by reports or publications submitted. Published: No	Y	DuPont
IIA, 4.1.1./02	Djanegara, T.K.S.	1992	Technical grade methomyl: analysis and certification of product ingredients DuPont Experimental Station AMR 2267-91 GLP: Yes Published: No	Y	DuPont
IIA, 4.1.2./01	Blaisdell, C.T.	1990	Methomyl technical (Lannate□) product identity and composition DuPont Experimental Station AMR 1735-90 Information superseded by reports or publications submitted. Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 4.1.2./02	Djanegara, T.K.S.	1992	Technical grade methomyl: analysis and certification of product ingredients DuPont Experimental Station AMR 2267-91 GLP: Yes Published: No	Y	DuPont
IIA, 4.2./01	Class, T.	2000	Assessment, adaptation, and possible validation of analytical enforcement method(s) for the determination of oxamyl and its metabolite IN-A2213 in plant material, animal foodstuffs, and human body fluids PTRL Europe DuPont-4365 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.1.1./01	deKok, A., Hiemstra, M., Vreeker, C.P.	1987	Improved cleanup method for the multiresidue analysis of N-methylcarbamates in grains, fruits and vegetables by means of HPLC with postcolumn reaction and fluorescence detection Inspectorate for Health Protection/Food Inspection Service, Pesticide Analysis Department, The Netherlands Chromatographia, Vol. 24, pp. 469-476 GLP: No Published: Yes	N	Authors
IIA, 4.2.1.1./02	deKok, A., Hiemstra, M.	1992	Optimization, automation, and validation of the solid-phase extraction cleanup and on-line chromatographic determination of N-methylcarbamate pesticides in fruits and vegetables Inspectorate for Health Protection/Food Inspection Service, Pesticide Analysis Department, The Netherlands J. AOAC Int., Vol. 75, pp. 1063-1072 GLP: No Published: Yes	N	Authors

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 4.2.1.1./03	General Inspectorate for Health Protection, The Netherlands	1996	Pesticides analysed with HPLC-procedures, submethod 1 (N-methylcarbamates) General Inspectorate for Health Protection Ministry of Public Health, Welfare, and Sport, Multi-Residue Method 2, Part 1, pp. 1-10 GLP: No Published: Yes	N	Authors
IIA, 4.2.1.1./04	Dubey, L., Steiner, C., Mattou, H.	2001	Method validation for the determination of methomyl residues in different grape processing products Battelle Europe-Centre de Recherche de Geneve DuPont-4689 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.1.1./05	Merricks, L., Slaughter, C.	1998	Dissipation of dislodgeable foliar residues of methomyl from lettuce following application of Lannate [®] SP insecticide in the U.S.A. - season 1997 Agrisearch, Inc. AMR 4450-97 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.1.1./06	Dubey, L., Mattou, H., Steiner, C.	2002	Method validation of the Netherlands multi-residue method 2 (MRM-2, submethod 1: N-methylcarbamate pesticides) for the determination of methomyl in dry, high water, high fat and high acid content crops Battelle Europe-Centre de Recherche de Geneve DuPont-6309 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.2.1./01	Rühl, J.C.	1995	A small-scale prospective groundwater monitoring study for methomyl: analytical summary Morse Laboratories, Inc., Lancaster Laboratories AMR 2311-92, 2 volumes & Supplement. 1 GLP: Yes Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 4.2.2.1./02	Rühl, J.C. Baer, C.S., Kennedy, C.M., Wetherington, J.D.	1994	HPLC validation of the ELISA detection method for the determination of methomyl in water and soil samples DuPont Experimental Station, Morse Laboratories, Inc. AMR 2759-93 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.2.1./03	Johnson, K.A., Harper, F.D., Weisskopf, C.P.	1997	Solid-phase extraction of alicarb and its metabolites from water and soil Department of Environmental Toxicology of South Carolina, USA, etc. J. Environ. Qual., Vol. 26, 1435-1438 GLP: No Published: Yes	N	Authors
IIA, 4.2.2.1./04	Honing, M., Riu, J., Barcelo, D., Van Baar, B.L.M. and Brinkman, U.A.TH.	1996	Determination of ten carbamate pesticides in aquatic and sediment samples by liquid chromatography-ion spray and thermospray mass spectrometry Department of Environmental Chemistry of Spain; Departments of Organic and Analytical Chemistry of the Netherlands J. Chromatogr., Vol. 733, pp. 283-294 GLP: No Published: Yes	N	Authors
IIA, 4.2.3.1./01	Rühl, J.C.	1995	A small-scale prospective groundwater monitoring study for methomyl: analytical summary (Appendix X) Morse Laboratories, Inc., Lancaster Laboratories AMR 2311-92, 2 volumes GLP: Yes Published: No	Y	DuPont
IIA, 4.2.3.1./02	Rühl, J.C. Baer, C.S., Kennedy, C.M., Wetherington, J.D.	1994	HPLC validation of the ELISA detection method for the determination of methomyl in water and soil samples DuPont Experimental Station, Morse Laboratories, Inc. AMR 2759-93 GLP: Yes Published: No	Y	DuPont

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IIA, 4.2.3.1./03	Munch, J.W. (ed.) for US Environmental Protection Agency	1995	Measurement of N-methylcarbamoyloximes and N-methylcarbamates in water by direct aqueous injection HPLC with post column derivatization National Exposure Research Laboratory U.S. Environmental Protection Agency EPA Method 531.1. Revision 3.1, pp. 531.1-1 to 531.1-24 GLP: No Published: Yes	N	Authors
IIA, 4.2.4.1./01	Bacher, R.	2000	Development and validation of an analytical method for the development of oxamyl and methomyl in air PTRL Europe DuPont-4564 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.5.1./01	Bacher, R.	2001a	Analytical method for the determination of oxamyl and methomyl in human body fluids PTRL Europe DuPont-5133 GLP: Yes Published: No	Y	DuPont
IIA, 4.2.5.1./02	Bacher, R.	2001b	Analytical method for the determination of oxamyl and methomyl in animal food stuffs PTRL Europe DuPont-5132 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.1.1./01	Clark, S., Kennedy S.M.	1990	Analytical methods for the quantitation of methomyl in grapes Morse Laboratories, Inc. AMR 1806-90 GLP: No Published: No	Y	DuPont
IIA, 4.3.1.1./02	Rühl, J.C.	1998	Enforcement method for the determination of methomyl in dry and watery crop matrices DuPont Experimental Station, Morse Laboratories, Inc., Alta Laboratories AMR 3015-94, Revision No. 2 GLP: No Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 4.3.1.1./03	Krause, R.T.	1980	Multiresidue method for determining N-methylcarbamate insecticides in crops, using high performance liquid chromatography Food and Drug Administration, Division of Chemistry and Physics J. Assoc. Off. Anal. Chem., Vol. 63, pp. 1114-1124	N	Author
IIA, 4.3.1.1./04	Weidenauer, M., Dubey, L., Françon, B., Larcinese, J.P.	1998	Method validation for the determination of methomyl residues in different crops by HPLC (with post-column derivatization fluorescence detection) Battelle Europe-Centre de Recherche de Geneve AMR 4258-96 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.1.1./05	Powley, C.R.	1991	Determination of possible bioaccumulation of ¹⁴ C-methomyl in lactating dairy cows Huntingdon Research Centre (UK), DuPont Experimental Station AMR 898-87 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.1.1./06	Daun, R.J.	1995	Magnitude of residues of methomyl in edible tissue and milk of lactating dairy cows Hazleton, Inc. (Wisconsin) AMR 2964-94 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.2.1./01	Kennedy, S.M.	1989	Field soil dissipation of Lannate [®] L insecticide Morse Laboratories, Inc. AMR 1215-88 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.2.1./02	Kennedy, S.M.	1990	Field soil dissipation of Lannate [®] L insecticide Morse Laboratories, Inc., DuPont Experimental Station AMR 1215-88, Supplement No. 2 GLP: Yes Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 4.3.2.1./03	Kennedy, C.M.	1991	Field soil dissipation of Lannate□ L insecticide - a 1991 study DuPont Experimental Station, Morse Laboratories, Inc. AMR 1921-91 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.2.1./04	Kennedy, C.M.	1992	Field soil dissipation of Lannate□ L insecticide, a 1991 study Morse Laboratories, Inc., DuPont Experimental Station AMR 1921-91, Supplement No. 1 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.2.1./05	Kennedy, C.M.	1994	Field soil dissipation of Lannate□ L insecticide, a 1991 study Morse Laboratories, Inc., DuPont Experimental Station AMR 1921-91, Supplement No. 2 GLP: Yes Published: No	Y	DuPont
IIA, 4.3.2.1./06	Merricks, D.L., McNeal, H.R.	1998	Dissipation of dislodgeable foliar and soil residues of methomyl from grapes following application of Lannate□ SP insecticide in the U.S.A. - season 1997 Agrisearch, Inc. AMR 4449-97 GLP: Yes Published: No	Y	DuPont

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Plant Protection Product - 'Methomyl 20SL'

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIIA, 5.1.1./01	Platz, S.J.	2001	Validation of the analytical method for determination of the active ingredient methomyl (X1179) in the end-use products: Lannate [®] 25WP and Lannate [®] 20L DuPont Stine-Haskell Research Center DuPont-5540 GLP: Yes Published: No	No	DuPont
IIIA, 5.1.1./02	Jourdainne, C.		Physical, chemical and technical properties of DPX-X1179 (Methomyl) 200 g/liter soluble concentrate insecticide formulation DuPont de Nemours (France) S.A. DuPont-3094 GLP: Yes Published: No	N	DuPont

A.5 Toxicology and metabolism

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
various	Anon.	2004	Du Pont Comments on methomyl first version of the Draft Assessment Report 19 March 2004		DuPont
IIA, 5.1.1./01	Hawkins, D.R., Mayo, B.C., Pollard, A.D., Haynes, L.M.	1991	The metabolism of [1- ¹⁴ C]methomyl in rats Huntingdon Research Centre (UK) AMR 1584-90 GLP: Yes Published: No	Y	DuPont
IIA, 5.1.1./02	Huhtanen, K., Dorough, H. W.	1976	Isomerization and Beckman Rearrangement Reactions in the Metabolism of Methomyl in Rats Pesticide Biochem Physiol Vol. 6 GLP: No Published: Yes	N	Pesticide Biochem Physiol

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IIA, 5.1.2./01	Harvey, J. Jr., Jelinek, A.G., Sherman, H.	1967	Metabolism of S-methyl N-[(methylcarbamoyl)oxy]thioacetimidate in the rat DuPont Experimental Station ML/ME 24 GLP: No Published: No	Y	DuPont
IIA, 5.1.2./02	Harvey, J. Jr., Buchanan, J.B.	1968	Absence of S-oxide and S,S dioxide as potential metabolites of methomyl in soil, tobacco and rats DuPont Experimental Station ML/ME 25 GLP: No Published: No	Y	DuPont
IIA, 5.1.2./03	Harvey, J. Jr., Jelinek, A.G., Sherman, H.	1973	Metabolism of methomyl in the rat DuPont Experimental Station ML/ME 50 GLP: no Published: Yes	N	Authors
IIA, 5.1.3./01	Hawkins, D.R., Mayo, B.C., Pollard, A.D., Haynes, L.M.	1992	The metabolism of [1- ¹⁴ C] methomyl in male Cynomolgus monkey Huntingdon Research Centre (UK) AMR 1902-90 GLP: Yes Published: No	Y	DuPont
IIA, 5.2.1./01	Sarver, J.W.	1991a	Acute oral toxicity study with DPX-X1179-394 in male and female rats DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 661-91 GLP: Yes Published: No	Y	DuPont
IIA, 5.2.1./02	Trivits, R.L.	1979	Oral LD ₅₀ test DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 496-79 GLP: No Published: No	Y	DuPont
IIA, 5.2.2./01	Sarver, J.W.	1991b	Acute dermal toxicity study with DPX-X1179-394 in rabbits DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 455-91 GLP: Yes Published: No	Y	DuPont
IIA, 5.2.3./01	Panepinto, A.S.	1991	Acute inhalation toxicity study with DPX-X1179-427 in rats DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 678-91 GLP: Yes Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection n claimed Y/N	Owner
IIA, 5.2.4./01	Sarver, J.W.	1993	Primary dermal irritation study with DPX-X1179-394 in rabbits DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 563-93 GLP: Yes Published: No	Y	DuPont
IIA, 5.2.5./01	Sarver, J.W.	1991c	Primary eye irritation study with DPX-X1179-425 in rabbits DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 280-91 GLP: Yes Published: No	Y	DuPont
IIA, 5.2.6./01	Armondi, S.	1991	Closed-patch repeated insult dermal sensitization study (Buehler method) with DPX-X1179-394 in Guinea pigs Pharmakon Research International, Inc., P.O. Box 313 HLO 345-91, Revision 1 GLP: Yes Published: No	Y	DuPont
IIA, 5.3.2./01	Busey, W.M.	1966	Three month dietary administration - rats insecticide 1179 Hazleton Laboratories America, Inc., 9200 Leesburg Turnpike Hazleton 1466 GLP: No Published: No	Y	DuPont
IIA, 5.3.2./02	Cox, R.H.	1979	A subacute (90 day) evaluation of Nudrin® in the Fischer-344 rat for Shell Oil Company Toxicology and Pathology Services, Inc., P.O. Box 333 52B 101-630-78 GLP: No Published: No	Y	DuPont
IIA, 5.3.2./03	Cox, R.H.	1979	A subacute (90 day) evaluation of Nudrin® in the B6C3F1 mouse for Shell Oil Company Toxicology and Pathology Services, Inc., P.O. Box 333 52E 004-630-79 GLP: No Published: No	Y	DuPont
IIA, 5.3.2./04	Sherman, H.	1967	Three-month feeding study on dogs with S-methyl N-[(methylcarbamoyl)oxy] thioacetimidate [Lannate® methomyl insecticide; INX-1179] DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 168-67 GLP: No Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 5.3.3./01	Brock, W.J.	1989	Repeated dose dermal toxicity: 21-day study with DPX-X1179-394 (methomyl) in rabbits DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 387-89 GLP: Yes Published: No	Y	DuPont
IIA, 5.3.3./02	Finlay, C.	1997	Methomyl technical: 21-day repeated dose dermal toxicity study in rabbits DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HL-1997-00913 GLP: Yes Published: No	Y	DuPont
IIA, 5.4.1./01	Mathison, B.H.	1997	DPX-X1179 (methomyl): mutagenicity testing in the <i>Salmonella typhimurium</i> and <i>Escherichia coli</i> plate incorporation assay DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HL-1997-00043 GLP: Yes Published: No	Y	DuPont
IIA, 5.4.1./02	McCooley, K.T.	1984	CHO/HGPRT assay for gene mutation DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 556-83, Revision 1 GLP: No Published: No	Y	DuPont
IIA, 5.4.1./03	Vincent, D.R.	1985	Assessment of methomyl (INX-1179-255) in the <i>in vitro</i> unscheduled DNA synthesis assay in primary rat hepatocytes DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 149-85, Revision 1 GLP: No Published: No	Y	DuPont
IIA, 5.4.2./01	Anon.	1984	<i>In vivo</i> bone marrow chromosome study in rats Hazleton Laboratories America, Inc., 9200 Leesburg Turnpike HLO 63-84 GLP: No Published: No	Y	DuPont
IIA, 5.4.2./02	Bentley, K.S.	1995	Mouse bone marrow micronucleus assay of DPX-X1179-394 DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 413-95 GLP: Yes Published: No	Y	DuPont

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IIA, 5.5.1./01	Kaplan, A.M.	1981	Long-term feeding study in rats with S-methyl N-((methylcarbamoyl)oxy) thioacetimidate (methomyl; INX-1179) DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 235-81, 5 volumes GLP: No Published: No	Y	DuPont
IIA, 5.5.2./01	Cox, R.H.	1980	Oncogenicity/chronic toxicity evaluation of Nudrin [®] in Fischer-344 rats Toxicology and Pathology Services, Inc., P.O. Box 333 TPS 52F-101-650-79 and accompanying Supplement Nos. 1 and 2 GLP: No Published: No	Y	DuPont
IIA, 5.5.3./01	Snyder, F.G.	1981	104-week chronic toxicity and carcinogenicity study in mice methomyl; H-11, 135 Hazleton Laboratories America, Inc., 9200 Leesburg Turnpike HLO 253-81, Final Report and accompanying Appendix No. 1 GLP: No Published: No	Y	DuPont
IIA, 5.5.4./01	Cox, R.H.	1979	Oncogenicity/chronic toxicity evaluation of Nudrin [®] in B6C3F1 mice for Shell Oil Company Toxicology and Pathology Services, Inc., P.O. Box 333 TPS 52G-005-650-79 FI GLP: No Published: No	Y	DuPont
IIA, 5.5.5./01	Busey, W.M.	1968	Two-year dietary administration - Dogs Lannate [®] methomyl insecticide (S-methyl-N-((methylcarbamoyl)oxy) thioacetimidate) Hazleton Laboratories America, Inc., 9200 Leesburg Turnpike Hazleton 201-165 and accompanying Addendum No. 1 GLP: No Published: No	Y	DuPont
IIA, 5.6.1./01	Lu, C.C.	1983	Nudrin [®] 2 generation reproduction study in rats WIL Research Laboratories, Inc. (U.S.A.) WRC RIR-275 (HLO 519-95, 5 volumes) GLP: No Published: No	Y	DuPont

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IIA, 5.6.1./02	Busey, D.C.	1968	Three-generation reproduction study Lannate [®] methomyl insecticide DuPont Haskell Laboratory, P.O. Box 50, Elkton Road MRO 888-19 GLP: No Published: No	Y	DuPont
IIA, 5.6.2./01	Culik, R., Rogers, A.S.	1978	Oral teratogenic study in rats with Lannate [®] (INX-1179) DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 498-78 GLP: No Published: No	Y	DuPont
IIA, 5.6.2./02	Feussner, E.L., Hoberman, A.M., Christian, M.S.	1983	Embryo-fetal toxicity and teratogenicity study of methomyl in the rabbit Argus Research Laboratories, Inc., 935 Horsham Road HLO 331-83 GLP: No Published: No	Y	DuPont
IIA, 5.7./01	Krauss, W.C., Stula, E.F.	1967	Oral LD ₅₀ and delayed paralysis test (hens) DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 161-67 GLP: No Published: No	Y	DuPont
IIA, 5.8.2./01	Mikles, K.A.	1998	Methomyl technical (DPX-X1179-512): acute oral neurotoxicity study in rats DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HL-1998-01080, 2 volumes GLP: Yes Published: No	Y	DuPont
IIA, 5.8.2./02	Mikles, K.A.	1998	Methomyl technical (DPX-X1179-512): subchronic oral neurotoxicity study in rats DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HL-1998-01639 (2 volumes) GLP: Yes Published: No	Y	DuPont
IIA, 5.8.2./03	McFarlane, P., Sanderson, J.B., Freestone, S.	1998	A randomised double blind ascending oral dose study with methomyl to establish a no adverse effect level Inveresk Research International (IRI), Limited, Research Park (Scotland) HLO-1998-00969 (2 volumes) GLP: Yes Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 5.8.2/04	Scott, D.G.	1998	Validation of analytical method for methomyl capsules and the use of this method for the determination of dissolution rate and formulation accuracy Inveresk Research International (IRI), Limited, Research Park (Scotland) HLO-1998-00974 GLP: Yes Published: No	Y	DuPont
IIA, 5.8.2/05	Malley, L.A.	1997	Reversibility study with carbamate insecticides in rats DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HL-1997-00641 GLP: Yes Published: No	Y	DuPont
IIA, 5.8.2./06	Filliben, T.	1996	Acute dietary toxicity study for cholinesterase inhibition with DPX-X1179 in male rats DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 861-96 GLP: Yes Published: No	Y	DuPont
IIA, 5.8.2./07	Sherman, H.	1964	Ten-dose subacute oral test DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 100-64 GLP: No Published: No	Y	DuPont
IIA, 5.8.2./08	Carakostas, M.C.	1987	Inhibition and regeneration kinetics for human and rat acetylcholinesterase exposed to methomyl - <i>in vitro</i> DuPont Haskell Laboratory, P.O. Box 50, Elkton Road HLR 379-88 GLP: No Published: No	Y	DuPont
IIA, 5.8.2./09	Fasano, W.J.	2001	Methomyl: <i>in vitro</i> dermal kinetics of [1- ¹⁴ C]methomyl in rat, human, and rabbit skin (Lannate® 20L formulation) DuPont Haskell Laboratory DuPont-5835 GLP: Yes Published: No	Y	DuPont
IIA, 5.8.2./10	Fasano, W.J.	2001	Methomyl (DPX-X1179) 20SL: <i>in vivo</i> dermal absorption of [1- ¹⁴ C] methomyl in the rat DuPont Haskell Laboratory DuPont-5697 GLP: Yes Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIIA, 7.1.1./01	Finlay, C.	1999	Methomyl 20L: acute oral toxicity study in male and female rats DuPont Haskell Laboratory DuPont-3282 GLP: Yes Published: No	N	DuPont
IIIA, 7.1.2./01	Finlay, C.	1999	Methomyl 20L: acute dermal toxicity study in rats DuPont Haskell Laboratory DuPont-3193 GLP: No Published: Yes	N	DuPont
IIIA, 7.1.3./01	Jackson, G.C., Hardy, C.J., Gregson, R.L., Offer, J.M., Gopinath, C.	1991	Lannate 20L acute inhalation toxicity in rats 4-hour exposure Huntingdon Research Centre DPT 247/91521 GLP: No Published: No	N	DuPont
IIIA, 7.1.4./01	Finlay, C.	1999	Methomyl 20L: primary dermal irritation study in rabbits DuPont Haskell Laboratory DuPont-3158 GLP: Yes Published: No	N	DuPont
IIIA, 7.1.5./01	Finlay, C.	1999	Methomyl 20L: primary eye irritation study in rabbits DuPont Haskell Laboratory DuPont-3286 GLP: Yes Published: No	N	DuPont
IIIA, 7.1.6./01	Hershman, R.J.	1999	Methomyl 20L: evaluation of the potential dermal sensitisation in the guinea pig (Modified Buehler Method) White Eagle Toxicology Laboratories DuPont-3022 GLP: Yes Published: No	N	DuPont
IIIA, 7.2.1.2./01	Old, J., Gubert, L., Anderson, I.	2002	Determination of dermal and inhalation exposure of operators during mixing/loading and application using Methomyl 20SL, a soluble concentrate containing methomyl 200 g/L applied via mist applicators in grapes Inveresk Research (Scotland) DuPont-6771 GLP: Yes Published: No	N	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIIA, 7.2.1.2./02	Salvi, M.	2002	Validation of an analytical method for the determination of methomyl in specimens before operator exposure study ADME BIOANALYSES (France) DuPont-6706 GLP: Yes Published: No	N	DuPont

A.6 Residues data

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
various	Kennedy, C.M., Bentley, K. S.	2004	Response to PSD regarding the plant residue definition for risk assessments 5 March 2004.		DuPont
IIA, 6.0.1.1./01	Kennedy, C.M., Tomic, D.M.	1993	Freezer storage stability study of methomyl in grapes DuPont Experimental Station, Morse Laboratories, Inc. AMR 1769-90 GLP: Yes Published: No	Y	DuPont
IIA, 6.0.1.1./02	Nathan III, E.C., Dubey, L., Steiner, C., Mattou, H.	2002	Residues of methomyl in processed fractions of wine grapes (berries and small fruit) following applications of Methomyl 20SL formulation - Europe, season 2000 Battelle Europe-Centre de Recherche de Geneve DuPont-4452, Part B GLP: Yes Published: No	Y	DuPont
IIA, 6.0.1.2./01	deKok, A., Hiemstra, M.	1992	Optimisation, automation, and validation of the solid-phase extraction cleanup and on-line chromatographic determination of n-methylcarbamate pesticides in fruits and vegetables Inspectorate for Health Protection/Food Inspection Service, Pesticide Analysis Department, The Netherlands J. AOAC Int., Vol. 75, pp. 1063-1072 GLP: No Published: Yes	N	NA

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 6.0.1.3./01	Kennedy, C.M., Devine, P.G.	1993	Freezer storage stability of methomyl in broccoli DuPont Experimental Station, Morse Laboratories, Inc. AMR 1765-90 GLP: Yes Published: No	Y	DuPont
IIA, 6.0.1.4./01	Kennedy, C.M., Devine, P.G.	1993	Freezer storage stability of methomyl in lettuce DuPont Experimental Station, Morse Laboratories, Inc. AMR 1764-90 GLP: Yes Published: No	Y	DuPont
IIA, 6.0.1.5./01	Milby, K.H.	2000	Stability of methomyl residues in frozen analytical samples of bean seed, potato tubers, and peanut nutmeats following application of Lannate [®] SP insecticide DuPont Experimental Station, Morse Laboratories, Inc. AMR 3741-96 GLP: Yes Published: No	Y	DuPont
IIA, 6.0.1.6./01	Rühl, J.C., Devine, P.G.	1994	Freezer storage stability in corn DuPont Experimental Station, Morse Laboratories, Inc. AMR 1770-90 GLP: Yes Published: No	Y	DuPont
IIA, 6.0.1.7./01	Daun, R.J.	1995	Magnitude of residues of methomyl in edible tissue and milk of lactating dairy cows Hazleton, Inc. (Wisconsin) AMR 2964-94 GLP: Yes Published: No	Y	DuPont
IIA, 6.1.1.1./01	Harvey, J.	1967	Metabolism of S-methyl N-[(methylcarbamoyl)oxy]-thioacetimidate in the tobacco plant DuPont Experimental Station ML/ME 1 GLP: No Published: No	Y	DuPont
IIA, 6.1.1.1./02	Harvey, J. Jr., Buchanan, J.B.	1968	Absence of S-oxide and S,S-dioxide as potential metabolites of methomyl in soil, tobacco and rats DuPont Experimental Station ML/ME 25 GLP: No Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 6.1.1.1./03	Harvey, J., Reiser, R.W.	1973	Metabolism of methomyl in tobacco, corn and cabbage DuPont Experimental Station ML/ME 48 GLP: No Published: Yes	Y	DuPont
IIA, 6.1.1.2./01	Harvey, J., Yates, R.A.	1968a	Metabolism of methomyl in cabbage DuPont Experimental Station ML/ME 3 GLP: No Published: No	Y	DuPont
IIA, 6.1.1.2./02	Harvey, J., Reiser, R.W.	1968	Metabolism of methomyl in corn and cabbage: characterisation of the polar and non-polar fractions DuPont Experimental Station ML/ME 4 GLP: No Published: No	Y	DuPont
IIA, 6.1.1.2./03	Harvey, J.	1970	Metabolism of methomyl in corn and cabbage: effect of β -glucosidase on the polar fraction DuPont Experimental Station ML/ME 5 GLP: No Published: No	Y	DuPont
IIA, 6.1.1.2./04	Harvey, J., Reiser, R.W.	1973	Metabolism of methomyl in tobacco, corn and cabbage DuPont Experimental Station ML/ME 48 GLP: No Published: Yes	Y	DuPont
IIA, 6.1.1.3./01	Harvey, J., Yates, R.A.	1968b	Metabolism of methomyl in the corn plant DuPont Experimental Station. ML/ME 2 GLP: No Published: No	Y	DuPont
IIA, 6.1.1.3./02	Harvey, J., Reiser, R.W.	1968	Metabolism of methomyl in corn and cabbage: characterisation of the polar and non-polar fractions DuPont Experimental Station ML/ME 4 GLP: No Published: No	Y	DuPont
IIA, 6.1.1.3./03	Harvey, J.	1970	Metabolism of methomyl in corn and cabbage: effect of β -glucosidase on the polar fraction DuPont Experimental Station ML/ME 5 GLP: No Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 6.1.1.3./04	Harvey, J., Reiser, R.W.	1973	Metabolism of methomyl in tobacco, corn and cabbage DuPont Experimental Station ML/ME 48 GLP: No Published: Yes	Y	DuPont
IIA, 6.1.1.4./01	Bull, D.L.	1974	Fate of methomyl on cotton Cotton Insects Research Lab ML/ME 8 GLP: No Published: Yes	Y	DuPont
IIA, 6.1.1.5/01	Ryan, D.L., McMillan, J.A., Young, G.A.	2003	The metabolism of 14C-methomyl in grapes DuPont Stine Haskell Research Center DuPont-6589 GLP: Yes Published: No	Y	DuPont
IIA, 6.2.1./01	Dietrich, R.F., Charlton, R.R., Ryan, D.L., McAleer, N.C., Bookhart, S.W.	1995	The metabolism of 14C-methomyl in the lactating goat DuPont Experimental Station AMR 2704-93 (2 volumes) GLP: Yes Published: No	Y	DuPont
IIA, 6.2.2./01	Djanegara, T.K.S., Ryan, D.L.	1994	Metabolism of methomyl in laying hens. DuPont Experimental Station, Battelle (Ohio) AMR 2217-91 GLP: Yes Published: No	Y	DuPont
IIA, 6.3.1.1./01	Nathan III, E.C., Dubey, L., Steiner, C., Mattou, H.	2001	Combined decline and magnitude of residues of methomyl in wine and table grapes (berries and small fruit) following applications of DPX-X1179 20SL and DPX-X1179 25WP formulations - Europe, season 2000 Battelle Europe-Centre de Recherche de Geneve DuPont-4356 GLP: Yes Published: No	Y	DuPont

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IIA, 6.3.1.1./02	Nathan III, E.C., Dubey, L., Steiner, C.	2002	Combined decline and magnitude of residues of methomyl in wine and table grapes (berries and small fruit) following applications of DPX-X1179 20SL – northern/southern Europe, season 2001 Battelle Europe-Centre de Recherche de Geneve DuPont-5831 GLP: Yes Published: No	Y	DuPont
IIA, 6.3.1.2./01	Françon, B., Larcinese, J.P.	1999	Combined decline and magnitude of residues of methomyl insecticide in/on solanacea vegetables (tomatoes) grown in southern Europe following treatment with Lannate□ 20L and/or Lannate□ 25WP - season 1997 - (analysis by HPLC) Battelle Europe-Centre de Recherche de Geneve AMR 4507-97 GLP: Yes Published: No	Y	DuPont
IIA, 6.3.1.2./02	Weidenauer, M., Françon, B., Larcinese, J.P.	1998	Combined decline and magnitude of residues of methomyl insecticide in/on solanacea vegetables (tomatoes and peppers) grown in southern Europe following treatment with Lannate□ 20L and/or Lannate□ 25WP - season 1996 - (analysis by HPLC) Battelle Europe-Centre de Recherche de Geneve AMR 3999-96 GLP: Yes Published: No	Y	DuPont
IIA, 6.3.1.3./01	Françon, B., Larcinese, J.P.	1999	Combined decline and magnitude of residues of methomyl insecticide in/on cucurbits (cucumbers and courgettes) grown in southern Europe following treatment with Lannate□ 20L and/or Lannate□ 25WP - season 1997 - (analysis by HPLC) Battelle Europe-Centre de Recherche de Geneve AMR 4511-97 GLP: Yes Published: No	Y	DuPont

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IIA, 6.3.1.3./02	Weidenauer, M., Françon, B., Larcinese, J.P.	1998	Combined decline and magnitude of residues of methomyl insecticide in/on cucurbits (cucumbers and courgettes) grown in southern Europe following treatment with Lannate□ 20L and/or Lannate□ 25WP - season 1996 - (analysis by HPLC) Battelle Europe-Centre de Recherche de Geneve AMR 3977-96 GLP: Yes Published: No	Y	DuPont
IIA, 6.3.6.1./01	Merricks, D.L., Slaughter, C.J.	1998	Dissipation of dislodgeable foliar residues of methomyl from lettuce following application of Lannate□ LV insecticide or Lannate□ SP insecticide in the U.S.A. – season 1997 Agrisearch, Inc. AMR 4450-97 GLP: Yes Published: No	Y	DuPont
IIA, 6.3.6.2./01	Merricks, D.L., McNeal, H.R.	1998	Dissipation of dislodgeable foliar and soil residues of methomyl from grapes following application of Lannate□ LV or Lannate□ SP insecticide in the U.S.A. - season 1997 Agrisearch, Inc. AMR 4449-97 GLP: Yes Published: No	Y	DuPont
IIA, 6.4.1./01	Daun, R.J.	1995	Magnitude of residues of methomyl in edible tissue and milk of lactating dairy cows Hazleton, Inc. (Wisconsin) AMR 2964-94 GLP: Yes Published: No	Y	DuPont
IIA, 6.5.1./01	Pedersen, C.T.	2001	Hydrolysis of [1-14C]methomyl (dpx-x1179) technical in ph 4, 5, and 6 buffer solutions at high temperatures DuPont Crop Protection, Stine-Haskell Research Center DuPont-5772 GLP: Yes Published: No	Y	DuPont

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IIA, 6.5.2./01	Nathan III, E.C., Dubey, L., Steiner, C., Matou, H.	2001	Residues of methomyl in processed fractions of wine grapes (berries and small fruit) following applications of Methomyl 20SL formulation - Europe, season 2000 Battelle Europe-Centre de Recherche de Geneve DuPont-4452 Part A GLP: Yes Published: No	Y	DuPont
II.A, 6.9./01	Tomerlin, R.	2003	Probabilistic acute dietary intake assessment for potential residues of methomyl using DEEM-UK™ Exponent® DuPont-12441 GLP: No Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
-	-	-	-	-	-

All data to address residues aspects were submitted under Annex IIA of the dossier. No residues data were submitted in the Annex IIIA dossier.

A.7 Environmental Fate and Behaviour

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 7.1.1.1.1./01	Zwick, T.C., Malik, N.	1990a	Aerobic metabolism of [1-14C]methomyl in Madera, California, soil Battelle (Ohio) AMR 1543-89 GLP: No Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA 7.1.1.1.1/01	Burr, C.M.	2000a	(14C)-thiodicarb: rate of degradation in three soils at 20 degrees C and one soil at 10 degrees C. Generated by: Aventis CropScience UK Ltd, GBR Document No: C019338 GLP/GEP: Yes unpublished	Yes	Aventis Crop Science
IIA, 7.1.1.1.1./02	Shaw, D.	2001a	[14C]Methomyl: Rate of degradation in three aerobic soils Huntingdon Research Centre (UK) DuPont-5511 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.1.1.1./03	Langford-Pollard, A.D.	1994	The soil column leaching of [1-14C]Methomyl Huntingdon Research Centre (UK) AMR 2778-93 GLP: Yes Published: No	Y	DuPont
IIA 7.1.1.1.2/01	Feung, C.S.; Wesibach, P.J.	1991c	Aerobic soil metabolism of thiodicarb. Generated by: Rhône-Poulenc Ag Company, USA Document No: R008592 GLP/GEP: Yes unpublished	Yes	Aventis Crop Science
IIA, 7.1.1.1.2.1./01	Zwick, T.C., Malik, N.	1990b	Anaerobic metabolism of [1-14C]Methomyl in Madera, California Soil Battelle (Ohio) AMR 1544-89 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.1.1.2.2./01	Swanson, M.B.	1986	Photodegradation of [1-14C]methomyl on soil DuPont Experimental Station AMR 611-86 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.1.2.1.1./01	Shaw, D.	2001a	[14C]Methomyl: Rate of degradation in three aerobic soils Huntingdon Research Centre (UK) DuPont-5511 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.1.2.1.1./02	Zwick, T.C., Malik, N.	1990a	Aerobic metabolism of [1-14C]methomyl in Madera, California, soil Battelle (Ohio) AMR 1543-89 GLP: Yes Published: No	Y	DuPont

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 7.1.1.2.1.1./03	Shaw, D.	2001b	[14C]Methomyl oxime: rate of degradation in three aerobic soils Huntingdon Research Centre (UK) DuPont-5512 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.1.2.1.2./01	Zwick, T.C., Malik, N.	1990b	Anaerobic metabolism of [1-14C]methomyl in Madera, California, soil Battelle (Ohio) AMR 1544-89 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.2.1./01	Aikens, P.J.	2001a	Adsorption/Desorption of [14C]methomyl in five soils Huntingdon Research Centre (UK) DuPont-4501 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.2.2./01	Aikens, P.J.	2001b	Adsorption/Desorption of [14C]IN-X1177, a metabolite of methomyl, five soils Huntingdon Research Centre (UK) DuPont-4502 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.3.1./01	Langford-Pollard, A.D.	1994	The soil column leaching of [1-14C]methomyl Huntingdon Research Centre (UK) AMR 2778-93 GLP: Yes Published: No	Y	DuPont
IIA, 7.1.3.2./01	Langford-Pollard, A.D.	1994	The soil column leaching of [1-14C]methomyl Huntingdon Research Centre (UK) AMR 2778-93 GLP: Yes Published: No	Y	DuPont
IIA, 7.2./01	Russell, M.H.	2002	Spatial analysis of vineyards in the Bordeaux, Burgundy, and Champagne regions of France Stine-Haskell Research Center DuPont-11541 GLP: No Published: No	Y	DuPont
IIA, 7.2./02	Kay, S., Holmes, C.	2003	Spatial analysis of vineyards and vegetable production areas in France, Italy and Spain Waterborne Environmental Inc. DuPont-11542 GLP: No Published: No	Y	DuPont

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IIA, 7.2.1.1.1./01	Friedman, P.L.	1983	Hydrolysis of [1-14C]methomyl DuPont Experimental Station AMR 109-83 GLP: No Published: No	Y	DuPont
IIA, 7.2.1.1.2./01	Pedersen, C.T.	2001	Hydrolysis of [1-14C]methomyl (DPX-X1179) technical in pH 4, 5, and 6 buffer solutions at high temperatures Stine-Haskell Research Center DuPont 5772 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.1.2.1./01	Moore, L.A.	1999	UV/visible absorption of methomyl DuPont Experimental Station DuPont-3116 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.1.2.1./02	Armbrust, K.L., Rielly, D.	1995	Indirect photodegradation of methomyl in aqueous solutions DuPont Experimental Station AMR 2975-94 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.1.3.1./01	Aldred, D.	1992	Determination of the ready biodegradability of methomyl by the modified Sturm test Euro Laboratories Limited AMR 2337-92 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.1.3.2./01	Mayo, B.C.	1994	Degradability and fate of [1-14C]methomyl in water/sediment systems Huntingdon Research Centre (UK) AMR 2590-92 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.1.3.2./02	Ryan, D.E.	1995	Behavior of methomyl in stream, canal, ditch and pond sediments DuPont Experimental Station AMR 3381-95 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.1.3.2./03	Koch Singles, S., Theilacker, W.M.	2002	Rate of dissipation of [1-14C]methomyl from the water phase of a simulated pond Stine-Haskell Research Center DuPont-7474 GLP: Yes Published: No	Y	DuPont

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IIA 7.2.1.3.2.2/01	Oddy, A.M.; Roach, S	1999a	(14C)-methomyl: degradation in two water sediment systems. Generated by: Rhône-Poulenc Ag Ltd, Ongar, UK Document No: R014194 GLP/GEP: Yes unpublished	Yes	Aventis Crop Science
IIA, 7.2.1.4./01	Smelt, J.H., Dekker, A., Leistra, M., Houx, N.W.H.	1983	Conversion of four carbamoyloximes in soil samples from above and below the soil water table Institute for Pesticide Research METH ENV 2 PAP GLP: No Published: Yes	N	Public Information
IIA, 7.2.1.4./02	Bromilow, R.H., Briggs, G.G., Williams, M.R., Smelt, J.H., Tuinstra, L.G.M.T., Traag, W.A.	1985	The role of ferrous ions in the rapid degradation of oxamyl, methomyl and aldicarb in anaerobic soils. Rothamsted Experimental Station METH/ENV 3 GLP: No Published: Yes	N	Public information
IIA, 7.2.2./01	Kubiak, R.	1994	Volatilization of 14C-methomyl formulated according to Lannate L with a content of 250 g/L methomyl from plant and soil surfaces under laboratory conditions Fachbereich Phytomedizin in SLFA AMR 2516-92 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.2./02	Ellssel, H, Kubiak, R.	1993	Volatilization of 14C-methomyl formulated according to Lannate L with a content of 250 g/L methomyl from polyethylene film under laboratory conditions Fachbereich Phytomedizin in SLFA AMR 2517-92 GLP: Yes Published: No	Y	DuPont
IIA, 7.2.2./03	Jeffery, D.J.	2001	The stability in air of methomyl (DPX-X1179): Atkinson calculation Stine-Haskell Research Center DuPont-4653 GLP: No – calculation Published: No	Y	DuPont

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Plant Protection Product - 'Methomyl 20SL'

Annex No., Reference No.	Author(s)	Year	Title Source Company Report No. GLP or GEP Status (where relevant) Published or not	EU Data Protec- tion Claimed (Y/N)	Owner
IIIA, 9.1.3./01	Dust, M.	2001a	Predicted environmental concentrations of methomyl (DPX-X1179) in animal foods, surface water, sediment, soil, air and off-field habitats resulting from the application of Methomyl 20SL to grapes and vegetables in Europe DuPont de Nemours (Deutschland) GmbH DuPont-7538 GLP: No Published: No	N	DuPont
IIIA, 9.2.1./01	Dust, M.	2001b	Model assessment of the potential groundwater concentrations of methomyl (DPX-X1179) after use of Methomyl 20SL in grapes and vegetables in Europe DuPont de Nemours (Deutschland) GmbH DuPont-7537 GLP: No Published: No	N	DuPont
IIIA, 9.2.3./01	Dust, M.	2001a	Predicted environmental concentrations of methomyl (DPX-X1179) in animal foods, surface water, sediment, soil, air and off-field habitats resulting from the application of Methomyl 20SL to grapes and vegetables in Europe DuPont de Nemours (Deutschland) GmbH DuPont-7538 GLP: No Published: No	N	DuPont
IIIA, 9.2.3./02	Dust, M.	2002	Predicted environmental concentrations of methomyl in surface water, after application of Methomyl 20SL to grapes and vegetables in Europe DuPont de Nemours (Deutschland) GmbH DuPont-11532 GLP: No Published: No	N	DuPont

A.8 Ecotoxicology

Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 8.1.1./01	Beavers, J.B.	1983	An acute oral toxicity study in the bobwhite Wildlife International, Ltd. (U.S.A.) HLO 464-83 GLP: No Published: No	Y	DuPont
IIA, 8.1.1.1./01	Kennedy, C.M., Dubey, L., Steiner, C., Matni, H.	2002	Magnitude and decline of residues of methomyl in wildlife food items (grass and broadleaf) following two applications of DPX-X1179 20SL – northern/southern Europe, season 2001 Battelle Europe-Centre de Recherche de Geneve DuPont-6059 GLP: Yes Published: No	Y	DuPont
IIA, 8.1.2./01	Medlicott, B.A., Harris, T.	2000a	Methomyl (DPX-X1179) technical: avian acute dietary toxicity test with northern bobwhite (Colinus virginianus) Genesis Laboratories, Inc. DuPont-4378 GLP: Yes Published: No	Y	DuPont
IIA, 8.1.2./02	Medlicott, B.A., Harris, T.	2000b	Methomyl (DPX-X1179) technical: avian acute dietary toxicity test with the mallard duck (Anas platyrhynchos) Genesis Laboratories, Inc. DuPont-4379 GLP: Yes Published: No	Y	DuPont
IIA, 8.1.2./03	Green, J.W.	2003	LC50 for mallard dietary acute study DuPont-4379 DuPont Haskell Laboratory DuPont-12888 GLP: No Published: No	N	DuPont
IIA, 8.1.3./01	Beavers, J.B., Hawrot, R., Lynn, S.P., Jaber, M.	1991a	H-17, 940: a one-generation reproduction study with the mallard (Anas platyrhynchos) Wildlife International, Ltd. (U.S.A.) HLO 336-91 GLP: Yes Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 8.1.3./02	Beavers, J.B., Hawrot, R., Jaber, M., Lynn, S.P.	1991b	H-17, 940: a one-generation reproduction study with the northern bobwhite (<i>Colinus virginianus</i>) Wildlife International, Ltd. (U.S.A.) HLO 337-91 GLP: Yes Published: No	Y	DuPont
IIA, 8.2/01	Samel, A., Rühl, J.C.	1995	An valuation of the effects and fate of methomyl insecticide exposure in outdoor microcosms DuPont Experimental Station, Wildlife International Ltd (USA), morse Laboratories AMR 2389-92 Volume 3 Not published	Y	DuPont
IIA, 8.2.1./01	Boeri, R.L., Wyskiel, D.C., Ward, T.J.	2000	Methomyl technical: acute, 96-hour, LC50 to rainbow trout, <i>Oncorhynchus mykiss</i> T.R. Wilbury Laboratories, Inc. DuPont 3725 GLP: Yes Published: No	Y	DuPont
IIA, 8.2.1./02	Wetton, P.M., Mullee, D.M.	1999	Methomyl: acute toxicity to bluegill sunfish (<i>Lepomis macrochirus</i>) SafePharm Laboratories, Limited SPL 282/571 GLP: Yes Published: No	N	Aventis formally known as Rhone-Poulenc
IIA, 8.2.2.1./01	Baer, K.N.	1991	Flow-through, 21-day toxicity of DPX-X1179-423 (Lannate® 20L) to rainbow trout (<i>Oncorhynchus mykiss</i>) DuPont Haskell Laboratory HLR 34-91 GLP: Yes Published: No	Y	DuPont
IIA, 8.2.2.2./01	Rhodes, J.E.	1991	Early life-stage toxicity of IN X1179-394 to the fathead minnow (<i>Pimephales promelas</i>) under flow-through conditions ABC Laboratories, Inc. (Missouri) HLO 702-91 GLP: Yes Published: No	Y	DuPont

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IIA, 8.2.2.3./01	Strawn, T., Rhodes, J.E., Leak, T.,	1993	Full life-cycle toxicity of DPX-X1179-394 (methomyl) to the fathead minnow (Pimephales promelas) under flow-through conditions ABC Laboratories, Inc. (Missouri) HLO 47-93 (11 volumes) GLP: Yes Published: No	Y	DuPont
IIA, 8.2.4./01	Wetton, P.M., Mullee, D.M.	1999	Methomyl: acute toxicity to Daphnia magna Safepharm Laboratories, Limited SPL 282/572 GLP: Yes Published: No	N	Aventis
IIA, 8.2.4./02	Ward, T.J., Wyskiel, D.C., Boeri, R.L.	2001	Methomyl 20SL: static, acute, 48-hour EC50 to Daphnia magna T.R. Wilbury Laboratories, Inc. DuPont-3726 GLP: Yes Published: No	Y	DuPont
IIA, 8.2.4./03	Hoke, R.A.	2002a	Methomyl (DPX-X1179) 20SL: static, acute, 48-hour EC50 to Daphnia magna DuPont Haskell Laboratory DuPont-10461 GLP: Yes Published: No	Y	DuPont
IIA, 8.2.4./04	Hoke, R.A.	2002b	Methomyl (DPX-X1179) 20SL: a study to determine the effects on adult Daphnia magna and their neonates under time-varied exposure DuPont Haskell Laboratory DuPont-11049 GLP: Yes Published: No	Y	DuPont
IIA, 8.2.4./05	Pantani, C., Pannunzio, G., De Cristofaro, M., Novelli, A.A., Salvatori, M.	1997	Comparative acute toxicity of some pesticides, metals, and surfactants to Gammarus italicus goedm. and Echinogammarus tibaldii pink. and stock (crustacea: amphipoda) Department of Environmental Sciences, University of L'Aquila, Via Vetoio-Localita Coppito, 67100 L'Aquila, Italy. Bulletin of Environmental Contamination and Toxicology, 59:963-967; Springer-Verlag, New York, Inc. Not applicable GLP: No Published: Yes	N	Authors

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 8.2.4./06	Aboul-Ela, I.A., Khalil, M.T.	1987	The acute toxicity of three pesticides on organisms of different trophic levels as parameters of pollution in Lake Wadi El Rayan, El Fayoum, Egypt Department of Zoology, Faculty of Science, University of Ain Shams, Egypt Proceedings of the Zoological Society A.R. Egypt, 13: 31-36 Not applicable GLP: No Published: Yes	N	Authors
IIA, 8.2.4./07	Johnson, W.W., Finley, M.T.	1980	Handbook of acute toxicity of chemicals to fish and aquatic invertebrates National Fisheries Research Laboratory, Columbia, Missouri, U.S.A., United States Department of the Interior Fish and Wildlife Service, Resource Publication 137: 1-8, 49-50, 86-87, 96-98. EPA MRID 40098401 Not applicable GLP: No Published: Yes	N	Authors
IIA, 8.2.4./08	Mayer, F.L., Ellersieck, M.R.	1986	Manual of acute toxicity: interpretation and database for 410 chemicals and 66 species of freshwater animals National Fisheries Research Laboratory, Columbia, Missouri, U.S.A., United States Department of the Interior Fish and Wildlife Service, Resource Publication 160: 1-35, 363-368. EPA MRID 40098401 Not applicable GLP: No Published: Yes	N	Authors
IIA, 8.2.5./01	Brittelli, M.R.	1982	Chronic toxicity of methomyl to Daphnia magna DuPont Haskell Laboratory HLR 46-82 GLP: No Published: No	Y	DuPont
IIA, 8.2.6./01	Mead, C., Mullee, D.M.	1999	Methomyl: algal inhibition test SafePharm Laboratories, Limited SPL 282/573 GLP: Yes Published: No	N	Aventis

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IIA, 8.2.6./02	Mead, C., Mullee, D.M.	1999	Methomyl: additional algal inhibition test conducted to confirm no observed effect concentration SafePharm Laboratories Limited SPL 282/594 GLP: Yes Published: No	N	Aventis
IIA, 8.3.1.1./01	Schur, A.	2000	Methomyl technical: acute oral and contact toxicity to the honey bee, <i>Apis mellifera</i> L GAB Biotechnologie, GmbH DuPont-2738 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./01	Adelberger, I.	2000	Methomyl 20L: a dose/response test to evaluate the effects on the predatory mite, <i>Typhlodromus pyri</i> Scheuten (Acari: Phytoseiidae), in the laboratory GAB Biotechnologie, GmbH DuPont-2668 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./02	Bruhne, C.	2000	Methomyl 20L: a extended laboratory dose/response test to evaluate the effects on the predatory mite, <i>Typhlodromus pyri</i> Scheuten (Acari: Phytoseiidae) Dr. U. Noack-Laboratorium for Angewandte Biologie DuPont-3766 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./03	Adelberger, I.	2001	Methomyl (DPX-X1179) 20L: an extended laboratory study to evaluate the effects on the predatory mite, <i>Typhlodromus pyri</i> Scheuten (Acari: Phytoseiidae), exposed to field-aged residues on grape leaves GAB Biotechnologie, GmbH DuPont-4427 GLP: Yes Published: No	Y	DuPont

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IIA, 8.3.2./04	Muether, J.	2001a	Methomyl (DPX-X1179) 20L: a field study to evaluate effects on the predatory mite, Typhlodromus pyri Scheuten in grape vineyards in Germany, 2000 GAB Biotechnologie, GmbH DuPont-3883 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./05	Muether, J.	2001b	Methomyl (DPX-X1179) 20L: a field study to evaluate effects on the predatory mite, Typhlodromus pyri Scheuten, in grape vineyards in Germany, 2000 GAB Biotechnologie GmbH DuPont-4327 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./06	Muether, J.	2001c	Methomyl (DPX-X1179) 20L: a field study to evaluate effects on predatory mites in grape vineyards in France, 2000 GAB Biotechnologie GmbH DuPont-4326 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./07	Bocksch, S.	2002	Methomyl (DPX-X1179) 20L: A field study to evaluate effects on predatory mites in grape vineyards in Italy, 2001 GAB Biotechnologie GmbH DuPont-5469 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./08	Lagrasse, S.	2002	Methomyl (DPX-X1179) 20L: A field study to evaluate effects on predatory mites in grape vineyards in France, 2001 Promo-Vert S.A. DuPont-5659 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./09	Muether, J.	2001d	Methomyl (DPX-X1179) 20L: a field study to evaluate effects on the predatory mite, Typhlodromus pyri Scheuten, in grape vineyards in Germany, 2000 GAB Biotechnologie, GmbH DuPont-4330 GLP: Yes Published: No	Y	DuPont

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IIA, 8.3.2./10	Muether, J.	2001e	Methomyl (DPX-X1179) 20L: a field study to evaluate effects on the predatory mite, Typhlodromus pyri Scheuten, in grape vineyards in Germany, 2000 GAB Biotechnologie, GmbH DuPont-4329 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./11	Schuld, M.	2000a	Methomyl 20L: a dose/response test evaluate the effects on the aphid parasitoid, Aphidius rhopalosiphii (Hymenoptera: Braconidae), in the laboratory GAB Biotechnologie, GmbH DuPont-2669 GLP: Yes Published: Yes	Y	DuPont
IIA, 8.3.2./12	Moll, M.	2000	Methomyl 20L: a dose/response test to evaluate the effects on the aphid parasitoid, Aphidius rhopalosiphii (Hymenoptera, Braconidae), under extended laboratory conditions IBACON GmbH DuPont-3764 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./13	Drexler, A.	2000a	Methomyl 20L: extended laboratory toxicity test to study the effects of treated grape vine leaves (field aged residue) on the parasitoid, Aphidius rhopalosiphii (Hymenoptera, Aphidiidae) IBACON GmbH DuPont-2563 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./14	Schuld, M.	2000b	Methomyl (DPX-X1179) 20L: a laboratory study to evaluate the effects on emergence of adult, Aphidius rhopalosiphii (Destefani-Perez) (Hymenoptera: Braconidae), from sprayed mummified aphids GAB Biotechnologie, GmbH DuPont 4630 GLP: Yes Published: No	Y	DuPont

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Annex point	Author	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or Unpublished	Data protection claimed Y/N	Owner
IIA, 8.3.2./15	Drexler, A.	2000b	Methomyl 20L: extended laboratory toxicity test to study the effects on natural soil to the carabid beetle, <i>Poecilus cupreus</i> L. (Coleoptera, Carabidae) IBACON GmbH DuPont-3337 GLP: Yes Published: No	Y	DuPont
IIA, 8.3.2./16	Drexler, A.	2001	Methomyl 20L: extended laboratory toxicity test to study the effects of treated grape vine leaves (field aged residues) on <i>Chrysoperla carnea</i> Steph. (Neuroptera, Chrysopidae) IBACON GmbH DuPont-2562 GLP: Yes Published: No	Y	DuPont
IIA, 8.4.1./01	Wachter, S.	1999	Methomyl technical: acute toxicity to earthworm, <i>Eisenia foetida</i> Michaelsen GAB Biotechnologie, GmbH DuPont-2940 GLP: Yes Published: No	Y	DuPont
IIA, 8.4.1./02	Wachter, S.	2001	Methomyl technical: acute toxicity to the earthworm (<i>Eisenia foetida</i>) in artificial soil GAB Biotechnologie, GmbH DuPont-3926 GLP: Yes Published: No	Y	DuPont
IIA, 8.4.2./01	Lühns, U.	2001	Methomyl 20L: effects on reproduction and growth of the earthworm, <i>Eisenia fetida</i> (Savigny 1826), in artificial soil IBACON GmbH DuPont-5503 GLP: Yes Published: No	Y	DuPont
IIA, 8.5./01	Wachter, S.	2001	Methomyl (DPX-X1179) 20L: assessment of the effects on soil microflora GAB Biotechnologie, GmbH DuPont-4113 GLP: Yes Published: No	Y	DuPont

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IIA, 8.6./01	Heldreth, K.M.	2001	Methomyl (DPX-X1179) 20L: a greenhouse study to investigate the effects on the vegetative vigor of several terrestrial plants following foliar exposure DuPont Agricultural Products DuPont-3965 GLP: Yes Published: No	Y	DuPont
IIA, 8.7./01	Hertl, J.	2001	Methomyl (DPX-X1179) technical: activate sludge, respiration inhibition test IBACON GmbH DuPont-4482, Revision No. 1 GLP: Yes Published: No	Y	DuPont

Plant Protection Product - 'Methomyl 20SL'

Annex No., Reference No.	Author(s)	Year	Title Source Company Report No. GLP or GEP Status (where relevant) Published or not	EU Data Protection Claimed (Y/N)	Owner
IIIA, 10.1.1./01	Troup, R., Baroch, J.	2000	Methomyl 20L: an acute oral toxicity study with the northern bobwhite (<i>Colinus virginianus</i>) Genesis Laboratories, Inc. DuPont-3394 RV1 GLP: Yes Published: No	N	DuPont
IIIA, 10.1.5./01	Gurney, A.	2003	Methomyl: Ecological Risk Assessment for some Groups of Small Birds and Small Mammals RCC Ltd. RCC 851727 GLP: No Published: No	Y	DuPont
IIIA, 10.1.5.3/01	Kuhr, R.J.	1973	The Metabolic Fate of Methomyl in the Cabbage Looper Pest Biochem Physiol Vol. 3 GLP: No Published: Yes	N	Pest Biochem Physiol
IIIA, 10.1.5.3/02	Kuhr, R.J., Hessney, C.W..	1977	Toxicity and Metabolism of Methomyl in the European Corn borer Pest Biochem Physiol Vol. 7 GLP: No Published: Yes	N	Pest Biochem Physiol

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IIIA, 10.2.1./01	Baer, K.N.	1991	Static, acute, 96-hour LC ₅₀ of DPX-X1179-423 (Lannate 20L) to rainbow trout (<i>Oncorhynchus mykiss</i>) DuPont Haskell Laboratory HLR 29-91 GLP: Yes Published: No	N	DuPont
IIIA, 10.2.1./02	Baer, K.N.	1991	Static, acute, 96-hour LC ₅₀ of DPX-X1179-423 to bluegill sunfish (<i>Lepomis macrochirus</i>) DuPont Haskell Laboratory HLR 30-91 GLP: Yes Published: No	N	DuPont
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Annex No., Reference No.	Author(s)	Year	Title Source Company Report No. GLP or GEP Status (where relevant) Published or not	EU Data Protec- tion Claimed (Y/N)	Owner
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