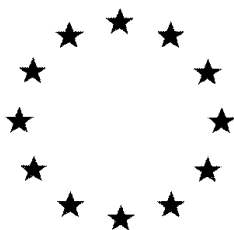


European Commission



VOLUME 2

- *Flutolanil* -

Rapporteur Member State: The Netherlands

August 2018

**Draft Assessment Report and Proposed decision of the Netherlands prepared
in the context of the possible approval of Flutolanil under Regulation (EC)**

1107/2009

Version history page

Date	Version history
August 2018	Initial RAR

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A. List of the tests, studies and information submitted**A.1 Identity**

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
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No studies have been submitted with respect to this section.

A.2 Physical and chemical properties

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 2.8/01	Bascou, J. P.	2002	Flutolanil Assessment on the dissociation constant Aventis CropScience PC-3029 GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CP 2.7/06	Brands, Ir. C.	2004	DETERMINATION OF THE CONTENT OF FLUTOLANIL IN FLUTOLANIL 40SC NOTOX B.V. Report No.: 391084 Nihon Nohyaku Co. Ltd code: PC-3034 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 2.9/01	Francois, J. M.	2000	Flutolanil - Determination of the explosion properties, flammability, ability for self heating and oxidising properties Rhodia Rhoditech PC-3020 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.11/01	Francois, J. M.	2000	Flutolanil - Determination of the explosion properties, flammability, ability for self heating and oxidising properties Rhodia Rhoditech PC-3020 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd

CA 2.13/01	Francois, J. M.	2000	Flutolanil - Determination of the explosion properties, flammability, ability for self heating and oxidising properties Rhodia Rhoditech PC-3020 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CP 2.1/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.1/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.4/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.4/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage	N	Y	Article 59(1) & (2) of Regulation	Nihon Nohyaku Co. Ltd

			Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No			(EC) 1107/2009 applies	
CP 2.5/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.5/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.6/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.6/04	Goldsmith, A	2015a	Physical and Chemical	N	Y	Article	Nihon

	E		Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No			59(1) & (2) of Regulation (EC) 1107/2009 applies	Nohyaku Co. Ltd
CP 2.7/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.7/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.2/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

			GLP: Yes Published: No				
CP 2.8.2/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.3/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.3/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.5.1/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd.	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

			Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No				
CP 2.8.5.1/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.7/02	Goldsmith, A E	2015	Physical and Chemical Properties of Flutolanil 40SC (EU): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/017/2 Nihon Nohyaku Co. Ltd code: PC-3117 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.7/04	Goldsmith, A E	2015a	Physical and Chemical Properties of Flutolanil 40SC (EU-D): Accelerated Storage Stability for 2 weeks at 54°C and 7 days at 0°C stored in high-density polyethylene (HDPE) bottles Battelle UK Ltd. Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: PC-3118 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 2.4/01	Guesnet, J. L.	2000	Flutolanil NMR, IR, MS and UV-visible spectra Aventis CropScience PC-3015 GLP: Yes Published: No	N	N	-	Nihon Nohyaku

CP 2.10/01	Harrison, C. & Partington, K.	2007	FINAL REPORT ON PROJECT AP/11343/CZ: To determine the post application loading, uniformity and retention following longer term storage, of flutolanil on the surface of tubers following post-harvest application of 061-221, compared to that of RhiNo, to seed grade potatoes in the UK Eurofins Agrisearch Report No.: XG/15/018/3 Nihon Nohyaku Co. Ltd code: R-3205 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 2.2/02	Morrissey M. A.	1997a	FLUTOLANIL: Determination of water solubility Covance Laboratories Inc. PC-3017 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.5/01	Morrissey M. A.	1997a	FLUTOLANIL: Determination of water solubility Covance Laboratories Inc. PC-3017 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.7/01	Morrissey, M. A.	1997b	Flutolanil: Determination of Octanol/Water Partition Coefficient Covance Laboratories Inc. PC-3018 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.1/01	Ristorcelli, D.	2001a	Flutolanil: Physical Characteristics Covance Laboratories Ltd PC-3022 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.2/01	Ristorcelli, D.	2001b	Flutolanil -Vapour Pressure Covance Laboratories Ltd PC-3021 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.3/01	Ristorcelli, D.	2001a	Flutolanil: Physical Characteristics Covance Laboratories Ltd PC-3022 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.6/01	Ristorcelli, D.	2001c	Flutolanil - Solvent Solubility Covance Laboratories Ltd	N	N	-	Nihon Nohyaku

			PC-3023 GLP: Yes Published: No				Co. Ltd
CA 2.12/01	Ristorcelli, D.	2001a	Flutolanil: Physical Characteristics Covance Laboratories Ltd PC-3022 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 2.14/01	Ristorcelli, D.	2001a	Flutolanil: Physical Characteristics Covance Laboratories Ltd PC-3022 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CP 2.2/03	Selditz, U.	2007	DETERMINATION OF PHYSICO-CHEMICAL PROPERTIES OF FLUTOLANIL 40SC NOTOX B.V. Report No.: 485413 Nihon Nohyaku Co. Ltd code: PC-3065 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.3/03	Selditz, U.	2007	DETERMINATION OF PHYSICO-CHEMICAL PROPERTIES OF FLUTOLANIL 40SC NOTOX B.V. Report No.: 485413 Nihon Nohyaku Co. Ltd code: PC-3065 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.7/07	Selditz, U.	2009	DETERMINATION OF THE STABILITY OF FLUTOLANIL 40SC (EU- D) OVER 2 YEARS UNDER AMBIENT CONDITIONS NOTOX B.V. Report No.: 485432 Nihon Nohyaku Co. Ltd code: PC-3086 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.7/08	Selditz, U.	2007	DETERMINATION OF THE PHYSICO- CHEMICAL PROPERTIES OF FLUTOLANIL 40 SC (EU- D) NOTOX B.V. Report No.: 485413	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

			Nihon Nohyaku Co. Ltd code: PC-3065 GLP: Yes Published: No				
CP 2.2/01	van der Baan-Treur, J	2004	STATEMENT ON THE EXPLOSIVE PROPERTIES OF FLUTOLANIL 40SC NOTOX B.V. Report No.: 391275 Nihon Nohyaku Co. Ltd code: PC-3036 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.2/02	van der Baan-Treur, J	2004a	STATEMENT ON THE OXIDIZING PROPERTIES OF FLUTOLANIL 40SC NOTOX B.V. Report No.: 391286 Nihon Nohyaku Co. Ltd code: PC-3037 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.3/01	van der Baan-Treur, J	2004b	DETERMINATION OF THE FLASH POINT OF FLUTOLANIL 40SC NOTOX B.V. Report No.: 391297 Nihon Nohyaku Co. Ltd code: PC-3038 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.3/02	van der Baan-Treur, J	2004b	DETERMINATION OF THE AUTO-IGNITION TEMPERATURE (LIQUID) OF FLUTOLANIL 40SC NOTOX B.V. Report No.: 391308 Nihon Nohyaku Co. Ltd code: PC-3039 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.7/05	van der Baan-Treur, J	2006	DETERMINATION OF THE STABILITY OF FLUTOLANIL 40SC OVER 2 YEARS UNDER AMBIENT CONDITIONS NOTOX B.V. Report No.: 391422 Nihon Nohyaku Co. Ltd code: PC-3051	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

			GLP: Yes Published: No				
CP 2.1/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG/15/017/1 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.1/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/018/2 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.4/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.4/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.4/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.5/01	Weatherhead,	2015	Certificate of Analysis for	N	Y	Article	Nihon

	P		Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No			59(1) & (2) of Regulation (EC) 1107/2009 applies	Nohyaku Co. Ltd
CP 2.5/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.6/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.6/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.7/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.7/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F	N	Y	Article 59(1) & (2) of Regulation (EC)	Nihon Nohyaku Co. Ltd

			Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No			1107/2009 applies	
CP 2.8.2/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.2/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.3/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.3/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.5.1/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

			code: PC-3115 GLP: Yes Published: No				
CP 2.8.5.1/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.7/01	Weatherhead, P	2015	Certificate of Analysis for Flutolanil 40SC EU; generation of data for batch 5AE9301F Battelle UK Ltd. Report No.: XG150171 Nihon Nohyaku Co. Ltd code: PC-3115 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.8.7/03	Weatherhead, P	2015a	Certificate of Analysis for Flutolanil 40SC EU-D; generation of data for batch 5AE9401F Battelle UK Ltd. Report No.: XG15/0182 Nihon Nohyaku Co. Ltd code: PC-3116 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.2/04	Younis, S.	2015	Physical Hazards Testing on a Sample of Flutolanil 40% w/w SC (EU-D) (aqueous) Report No.: GLP113769/C/R1V1/2015 Nihon Nohyaku Co. Ltd code: GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CP 2.3/04	Younis, S.	2015	Physical Hazards Testing on a Sample of Flutolanil 40% w/w SC (EU-D) (aqueous) Report No.: GLP113769/C/R1V1/2015 Nihon Nohyaku Co. Ltd code: GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

A.3 Data on application and efficacy

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
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No studies have been submitted with respect to this section.

A.4 Further information

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
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No studies have been submitted with respect to this section.

A.5 Methods of analysis

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 4.1.2-17	Airs D.	2015	Flutolanil: Validation of methodology for the determination of residues of flutolanil and metabolites in bovine liver, kidney, muscle, fat, whole milk, skimmed milk and cream Envigo CRS Ltd Report No.: LMS0125 (A-3073) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-04	Airs D.	2015	Flutolanil: Validation of methodology for the determination of residues of flutolanil and metabolites in bovine liver, kidney, muscle, fat, whole milk, skimmed milk and cream Envigo CRS Ltd Report No.: LMS0125 (A-3073) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-11	Airs D.	2015	Flutolanil: Validation of methodology for the determination of residues	N	Y	Article 59(1) & (2) of	Nihon Nohyaku Co. Ltd

			of flutolanil and metabolites in bovine liver, kidney, muscle, fat, whole milk, skimmed milk and cream) Envigo CRS Ltd Report No.: LMS0125 (A-3073) GLP: yes Published: no			Regulation (EC) 1107/2009 applies	
CA 4.1.2-13	Bernal J.	2016	Flutolanil - Validation of the Analytical Method for the Determination of Flutolanil and its Metabolites M-2, M-4, M-101 and M-102 in Potatoes Tubers Eurofins Agroscience services Report No.: S14-04022 (A-3070) + Final Report Amendment No.1 GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2-05	Bourgade C., Yslan F.	1998a	Flutolanil: Analytical method for the determination of residues in drinking water and surface water Rhone-Poulenc AGRO Report No.: R&D/CRLD/AN/9816454 (A-3040) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-06	Bourgade C., Yslan F.	1998b	Flutolanil: Confirmatory chromatographic method for the determination of residues in water Rhone-Poulenc AGRO Report No.: R&D/CRLD/ANH/9816748 (A-3041) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-22	Bowman J.H.	1987a	Acute toxicity of flutolanil technical to rainbow trout (salmo gairdneri) Analytical Bio-Chemistry Laboratories Inc. Report No.: ABC LABS 35378 (W-3008)	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

			GLP: yes Published: no				
CA 4.1.2- 23	Bowman J.H.	1987b	Acute toxicity of flutolanil technical to Bluegill Sunfish (<i>Lepomis macrochirus</i>) Analytical Bio-Chemistry Laboratories Inc. Report No.: ABC LABS 35377 (W-3009) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2- 24	Bowman J.H., Bussard J.	1990	Acute toxicity of flutolanil technical to Fathead Minnow (<i>Pimephales promelas</i>) Analytical Bio-Chemistry Laboratories Inc. Report No.: ABC LABS 38101 (W-3010) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2- 19	Brekelmans M.J.C.	2003a	Development and validation of an analytical method for the analysis of flutolanil in sediment samples from the sediment water chironomid toxicity test NOTOX B.V. Report No.: 355488 (A- 3035) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2- 20	Brekelmans M.J.C.	2003b	Development and validation of an analytical method for the analysis of flutolail in iso-medium samples from the sediment water chironomid toxicity test NOTOX B.V. Report No.: 355477 (A- 3036) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2- 12	Burton D.	2011	Validation of methodology for the determination of residues of flutolanil and metabolites M-2 and M-4 in potato Huntingdon Life Sciences Ltd Report No.: LMS0047 (A- 3056) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2-	Castro L.	1994	Dissipation of flutolanil on bare soil following	N	Y	Article 59(1) & (2)	Nihon Nohyaku

03			application of Flutolanil 50WP, USA, 1989 NOR-AM Chemical Company Report No.: R642.07.89 (E-3018) GLP: yes Published: no			of Regulation (EC) 1107/2009 applies	Co. Ltd
CA 4.1.2-04	Castro L.	1993	Long-term field dissipation of flutolanil under conditions of peanut cultivation initiated 1989, USA NOR-AM Chemical Company Report No.: R642.08.89 (E-3023) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-09	Clark S.	2016	Independent Laboratory Validation of the Flutolanil Analytical Method Described in Nihon Nohyaku Co., Ltd. Final Report No. LSRC-A11-010A, Study Protocol No. GE-04, 11-0001, entitled "Validation of Analytical Method for Flutolanil in Water" Morse Laboratories, LLC Report No.: 66925 Final amended report (A-3066-1) + Original report (A-3066) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2-18	Dias N. A.	2016	Flutolanil: Residues of flutolanil and its metabolites in eggs and tissues of laying hens Envigo CRS Ltd Report No.: LMS0104 (A-3075) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-05	Dias N. A.	2016	Flutolanil: Residues of flutolanil and its metabolites in eggs and tissues of laying hens Envigo CRS Ltd Report No.: LMS0104 (A-3075) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2-07	Dorn U.	1999	Development and validation of an analytical method for the determination of flutolanil	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd

			in air PTRL Europe Report No.: B 361 G (A-3042) GLP: yes Published: no				
CA 4.2-10	Dorn U.	1999	Development and validation of an analytical method for the determination of flutolanil in air PTRL Europe Report No.: B 361 G (A-3042) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-25	Forbis A.D.	1991	Acute Toxicity of Flutolanil to <i>Mysidopsis bahia</i> Analytical Bio-Chemistry Laboratories Inc. Report No.: 38720 (W-3015) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-01	Fuchsbichler G.	2002	Development and validation of the multi-residue method DFG S19 modified, for the determination of the residue of flutolanil in potatoes Bayerische Hauptversuchsanstalt für Landwirtschaft Report No.: HVA 19/02 (A-3034) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-09	Fuchsbichler G	2001	Determination of flutolanil in potatoes: Independent laboratory validation of the method described in report CRLD 97-82 Bayerische Hauptversuchsanstalt für Landwirtschaft Report No.: HVA 30/00, 00-154, (A-3038) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-02	Ihara T.	2007a	Validation of analytical method for flutolanil in soil Research Center, Nihon Nohyaku Co., Ltd Report No.: LSRC-A07-161A (A-3048) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA	Ihara T.	2007b	Validation of Analytical	N	Y	Article	Nihon

4.1.2-10			Method for Flutolanil and its Metabolites in Potato Toxicological & Pharmaceutical Research Center, Nihon Nohyaku Co., Ltd Report No.: LSRC-A07-133A (A-3050) GLP: yes Published: no			59(1) & (2) of Regulation (EC) 1107/2009 applies	Nohyaku Co. Ltd
CA 4.2-06	Ihara T.	2016	Flutolanil: ILV (Independent Laboratory Validation) Study of Analytical Method for Flutolanil and its Metabolites in Foodstuffs of Animal Origin (Bovine and Hen) Research Center, Nihon Nohyaku Co., Ltd Report No.: LSRC-R15-141A (A-3074) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-07	Ihara T.	2007a	Validation of analytical method for flutolanil in soil Research Center, Nihon Nohyaku Co., Ltd Report No.: LSRC-A07-161A (A-3048) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-21	Kendall T.Z., Nixon W.B.	2011	Analytical method verification for the determination of flutolanil in freshwater Wildlife International Ltd. Report No.: 397C-111 (A-3059) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2-14	Merdian H.	2016	Validation of the Analytical Method for the Determination of Flutolanil and its Metabolites M-2, M-4, M-101 and M-102 in Potato after Hydrolysis Eurofins Agroscience services Report No.: S16-00710 (A-3081) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-08	Nishimura Y.	2015	Validation of Analytical Method for Flutolanil in Water Research Center, Nihon Nohyaku Co., Ltd Report No.: LSRC-A11-	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009	Nihon Nohyaku Co. Ltd

			010A (A-3057) + amendment to Final Report GLP: yes Published: no			applies	
CA 4.1.2-15	Robinson J. D.	1999	Validation of an analytical method for the determination of residues in products of animal origin Huntingdon Life Sciences Ltd Report No.: RNP 628/993392 (A-3025) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2-27	Ruhland S.	2016	Chronic toxicity of Flutolanil SC to the honey bee <i>Apis mellifera</i> L. under laboratory conditions BioChem agrar GmbH Report No.: 16 10 48 034 B (N-3078) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.1.2-26	Scheller K.	2016	Repeated exposure of Flutolanil 40SC to honey bee (<i>Apis mellifera</i>) larvae under laboratory conditions (<i>in vitro</i>) BioChem agrar GmbH Report No.: 16 10 48 035 B (N-3079) GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-02	Taoudi M.	2016a	Method Validation – Determination of Residues of Flutolanil in Crops by LC-MS/MS Battelle UK Ltd Report No.: XG/16/002 GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-12	Taoudi M.	2016b	Development and Method Validation - Determination of Residues of Flutolanil in Body Fluid by LC-MS/MS Battelle UK Ltd Report No.: XG/16/003 + Report Amendment 1 GLP: yes Published: no	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 4.2-03	Thorn J.	2016	Independent Laboratory Validation for the Determination of Residues of Flutolanil in Crops by GC/MS and LC-	N	Y	Article 59(1) & (2) of Regulation (EC)	Nihon Nohyaku Co. Ltd

			MS/MS Battelle Report No.: 100075555 GLP: yes Published: no			1107/2009 applies	
CA 4.1.2- 01	Van de Ruit A. N. R.	1998	Method Validation Study for the Analysis of Flutolanil in Soil and in Soil/Potato Mixture by Gas Chromatography/Mass Spectrometry BCO Analytical Services B.V. Report No.: 12395 - CRLD No. 97-83, Analytico (BCO) project number 4497040003 (A-3039) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CP 5.1.1- 02	Weatherhead P.	2015	Validation of an Analytical method for the determination of the active ingredient in Flutolanil 40 SC EU-D and Flutolanil 40 SC EU Formulations Battelle UK Ltd. Report No.: XG150181 (A- 3071) GLP: yes Published: no	N	Y	New GLP study, provided within the scope of the renewal	Nihon Nohyaku Co. Ltd
CA 4.1.2- 16	Wouter G.A.J.M.	1999	Independent laboratory validation of Rhone- Poulenc analytical method AR 192-99 for the determination of flutolanil in products of animal origin RHONE-POULENC Report No.: 99-173 (A- 3027) GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd
CA 4.1.2- 08	Wouters G.A.J.M.	2000	Method Validation Study for the Analysis of Flutolanil in Potato by GC/MS Analytico Medinet B.V. Report No.: CRLD No. 97- 82, 4497040002 (A-3037) + Final Report amendment-1 GLP: yes Published: no	N	N	Evaluated in DAR	Nihon Nohyaku Co. Ltd

A.6 Toxicology and metabolism data

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 5.1.1/01	Aizawa, H Murakami <i>et al.</i>	1982 1983	Metabolism of flutolanil in rats Mitsubishi-Kasei Inst. of Tox & Env. Sci., Japan T-3021 N (Pre-GLP) Y	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.4.2/02	[REDACTED]	2012	Flutolanil: Micronucleus test in the bone marrow of mice [REDACTED] [REDACTED] [REDACTED] T-3213 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.8.2/01	[REDACTED]	2011	4-week dietary T cell-dependent antibody assay with flutolanil TGAI in rats [REDACTED] [REDACTED] [REDACTED] T-3203 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.3.2/01	[REDACTED]	1986a	A three month oral toxicity study of flutolanil in rats [REDACTED] [REDACTED] T-3024 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.3.2/03	[REDACTED]	1986b	A three month oral toxicity study of flutolanil in dogs [REDACTED] [REDACTED] T-3025 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.3.2/02	[REDACTED]	1987	Flutolanil: Preliminary toxicity study by	Y	N	-	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			dietary administration to CD-1(ICR)BR mice for 13 weeks [REDACTED] [REDACTED] T-3067 Y N				
CA 5.3.3/01	[REDACTED]	1990	A 21-day dermal toxicity study in rats with flutolanil [REDACTED] [REDACTED] T-3070 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.8.1/01	Bayer CropScience AG, Germany	2016	Letter of Access, supporting European re-approval of flutolanil (the active substance and the representative formulation) Bayer CropScience AG, Germany - - N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.7.1/01	[REDACTED]	2011	Flutolanil: Single dose oral (gavage) administration neurotoxicity study in the rat [REDACTED] [REDACTED] [REDACTED] T-3201 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.7.1/02	[REDACTED]	2012	Flutolanil: 13 Week oral (dietary) administration neurotoxicity	Y	Y	Article 59(1) & (2) of Regulation (EC)	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			study in the rat [REDACTED] [REDACTED] [REDACTED] T-3214 Y N			1107/2009 applies	
CA 5.2.4/01	[REDACTED] [REDACTED]	1986a	Flutolanil: Acute dermal irritation/corrosion test in the rabbit [REDACTED] [REDACTED] T-3207 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.2.5/01	[REDACTED] [REDACTED]	1986b	Flutolanil: Acute eye irritation/corrosion test in the rabbit [REDACTED] [REDACTED] T-3206 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.2.6/01	[REDACTED] [REDACTED]	1986c	Flutolanil: Delayed contact hypersensitivity study in guinea-pigs [REDACTED] [REDACTED] T-3208 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CP 7.1.2/01	[REDACTED] [REDACTED]	1989	Assessment of acute dermal toxicity with Flutolanil 40 SC [REDACTED] [REDACTED] T-3072 Y N	Y	N	-	Nihon-Nohyaku Co. Ltd
CA 5.1.1/02	[REDACTED] [REDACTED] [REDACTED] [REDACTED]	1992 1994	The metabolism of aniline-ring ¹⁴ C-flutolanil in rats [REDACTED] [REDACTED]	Y	N	-	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			T-3068 Y N				
CA 5.4.1/05	Fautz,	1989	Unscheduled DNA synthesis in primary hepatocytes of male rats <i>in vitro</i> with flutolanil tech. CCR Cytotest Cell Research, Germany T-3076 Y N	N	N	-	Nihon Nohyaku Co., Ltd
CA 5.2.3/02	■■■■■ ■	2012	Flutolanil technical: Acute inhalation toxicity study in rats ■■■■■ ■■■■■ ■■■■■, Japan T-3230 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.4.1/04	Heidemann, A	1989	Cell mutation assay at the thymidine kinase (TK+/-) locus in mouse lymphoma L5178Y cells with flutolanil tech. CCR Cytotest Cell Research, Germany T-3077 Y N	N	N	-	Nihon Nohyaku Co., Ltd
CP 7.1.1/01	■■■■■	2007a	Acute oral toxicity study of flutolanil 40SC in rats. ■■■■■ ■■■■■ T-3117 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Co. Ltd
CP 7.1.4/01	■■■■■	2007b	Skin irritation study of Flutolanil	Y	Y	Article 59(1) & (2)	Nihon-Nohyaku

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			40SC in rabbits [REDACTED] [REDACTED] T-3118 Y N			of Regulation (EC) 1107/2009 applies	Co. Ltd
CP 7.1.5/01	[REDACTED]	2007c	Eye irritation study of Flutolanil 40SC in rabbits [REDACTED] [REDACTED] T-3119 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Co. Ltd
CP 7.1.6/01	[REDACTED]	2007	Flutolanil 40SC: Local Lymph Node Assay in Mice [REDACTED] [REDACTED] T-3148 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Co. Ltd
CA 5.8.1/08	[REDACTED]	2010	28 day repeated oral toxicity study of 2-(trifluoromethyl)-benzoic acid in rats [REDACTED] [REDACTED] [REDACTED] Japan T-3184 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.8.1/04	Inagaki, K	2011	Bacterial reverse mutation test of 2-(trifluoromethyl)-benzamide Research Center, Nihon Nohyaku Co., Ltd, Japan T-3200 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.4.1/03	Jenkinson, P C	1990	Flutolanil: Metaphase analysis in	N	N	-	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			human lymphocytes <i>in vitro</i> Safepharma Laboratories, UK T-3057 Y N				
CA 5.5/01 Vol 1 CA 5.5/02 Vol 2 CA 5.5/03 Vol 3 CA 5.5/04 Vol 4	████████	1982	Twenty-four month chronic toxicity study of NNF-136 in rats ██████████ ██████████ ██████████ ██████████ T-3013 N (Pre-GLP) N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.2.1/01	████████	1982a	NNF-136: Acute toxicity study in rats ██████████ ██████████ ██████████ ██████████ T-3001 N (Pre-GLP) N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.2.1/02	████████	1982b	NNF-136: Acute toxicity study in mice ██████████ ██████████ ██████████ ██████████ T-3002 N (Pre-GLP) N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.6.2/01	████████ █	1992	Flutolanil: Teratology study in the rat ██████████ ██████████ T-3043 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.8.1/05	Lloyd, M	2016a	M-101: <i>In vitro</i> L5178Y Gene	N	Y	Article 59(1) & (2)	Nihon Nohyaku

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Mutation Assay at the <i>tk</i> locus Covance Laboratories Ltd, UK T-3250 Y N			of Regulation (EC) 1107/2009 applies	Co., Ltd
CA 5.8.1/06	Lloyd, M	2016b	M-101: <i>In vitro</i> human lymphocyte chromosome aberration assay Covance Laboratories, UK T-3246 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.8.1/09	Lloyd, M	2016c	M-102: Bacterial reverse mutation assay Covance Laboratories Ltd, UK T-3245 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.8.1/10	Lloyd, M	2016d	M-102: <i>In vitro</i> L5178Y Gene Mutation Assay at the <i>tk</i> locus Covance Laboratories, UK T-3248 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.8.1/11	Lloyd, M	2016e	M-102: <i>In vitro</i> L5178Y Gene Mutation Assay at the <i>tk</i> locus (further investigation under modified experimental conditions) Covance Laboratories, UK T-3249 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 5.8.1/12	Lloyd, M	2016f	M-102: <i>In vitro</i> human lymphocyte chromosome aberration assay Covance Laboratories, UK T-3247 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.5/05	██████████	1990	Flutolanil: Oncogenicity study by dietary administration to CD-1 (ICR) BR mice for 78 weeks ██████████ ██████████ T-3041 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.9.1/02	Mitsumoto, S and Fuji, T	2002	Statement of medical surveillance on manufacturing plant personnel Nihon Nohyaku Co., Ltd., Japan H-3002 N (not relevant) N	N	N	-	Nihon Nohyaku Co., Ltd
CA 5.6.2/03	██████████	2012	Study for effects on embryo-fetal development in rabbits treated orally with flutolanil ██████████ ██████████ ██████████ T-3229 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.4.1/01	Moriya, M	1981	NNF-136: Microbial mutagenicity study Institute of Environmental	N	N	-	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Toxicology, Japan T-3016 N N				
CA 5.8.3/01	Odum, J <i>et al.</i>	2016	Assessment of flutolanil and its potential for endocrine disruption RSA Associates NIC002_001 N (not relevant) N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CP 7.2.1/01	Ridgeway, J	2006	Determination of dermal and inhalation exposure of commercial seed-potato application equipment operators during mixing/loading and application using Rhino, a soluble concentrate containing 460 g/L flutolanil Agriserach UK Ltd H-3003 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Co. Ltd
CA 5.4.2/01	██████████ █	1983	Flutolanil: Micronucleus test ██████████ ██████████ ██████████ ██████████ T-3019 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.5/06	██████████	1982	Chronic toxicity study of NNF-136 administered orally to beagle dogs for 104 weeks ██████████	Y	N	-	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			██████████ ██████████ ██████████ T-3014 N (Pre-GLP) N				
CA 5.6.1/01	██████████ ██████████	1991	Two generation reproduction study in rats with flutolanil ██████████ ██████████ T-3069 Y N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.8.1/07	██████████	2016	Acute oral toxicity study of 2-(trifluoromethyl)-benzoic acid in rats ██████████ ██████████ Japan T-3244 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.9.1/01	Sumitaka, K and Nakayama, S	2002	Statement of medical surveillance on manufacturing plant personnel Nihon Nohyaku Co., Ltd., Japan H-3001 N (not relevant) N	N	N	-	Nihon Nohyaku Co., Ltd
CA 5.4.1/02	Sutou, S	1986	Chromosomal aberration test of flutolanil with cultured mammalian cells NRI Life Science, Japan T-3044 Y N	N	N	-	Nihon Nohyaku Co., Ltd
CA 5.6.2/02	██████████	1987	Teratogenicity study of flutolanil in the rabbit ██████████	Y	N	-	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			██████████ ██████████████ ██████████████ ██████████ T-3042 Y N				
CA 5.2.1/03	██████████	2009	Acute oral toxicity of flutolanil in rats ██████████████ ██████████████ ██████████████ T-3182 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.2.2/01	██████████	2009	Acute dermal toxicity of flutolanil in rats ██████████████ ██████████████ ██████████████ T-3183 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.3.1/01	██████████	1977	One-month subacute toxicity study on flutolanil in rats ██████████████ ██████████ ██████████████ ██████████████ ██████████ T-3011 N (Pre-GLP) N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.8.1/02	██████████	2011	Acute oral toxicity study of 2-(trifluoromethyl)-benzamide in rats ██████████████ ██████████████ ██████████████ T-3232 Y N	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.8.1/03	██████████	2012	28 day repeated oral toxicity study of 2-(trifluoromethyl)-	Y	Y	Article 59(1) & (2) of Regulation	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			benzamide in rats [REDACTED] [REDACTED] [REDACTED] T-3231 Y N			(EC) 1107/2009 applies	
CA 5.2.3/01	[REDACTED]	1984	Acute inhalation toxicity of flutolanil (Moncut®) to rats [REDACTED] [REDACTED] [REDACTED] [REDACTED] T-3003 Pre-GLP N	Y	N	-	Nihon Nohyaku Co., Ltd
CA 5.2.7/01	Valin, M	2016	Flutolanil technical: 3T3 NRU phototoxicity test CiToxLAB, France T-3242 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.1.1/04	Yasunaga, R	2016	<i>In vitro</i> metabolism study of flutolanil Research Centre, Nihon Nohyaku Co. Ltd, Japan T-3243 Y N	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CA 5.1.1/03	[REDACTED] [REDACTED]	2012	Distribution, metabolism and excretion of [phenyl-(U)- ¹⁴ C] flutolanil, following a single oral administration to male and female rats [REDACTED] [REDACTED] [REDACTED] T-3233	Y	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Y N				

A.7 Residue data

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
Appendix IIA 6.1/05	Dacus, S.C	1994	Stability of flutolanil and it's metabolites M-2, M-4 and M-7 in animal products during frozen storage. USA, 1993 NOR-AM Chemical Company Report number: AU-93R-12 (PC-3111) GLP: yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	
CA 6.1./06	██████	2016a	Flutolanil: Residues of Flutolanil and its Metabolites in Eggs and Tissues of Laying Hens ██████ Report number: LMS0104 (A-3075) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.4.1/01	██████	2016a	Flutolanil: Residues of Flutolanil and its Metabolites in Eggs and Tissues of Layng Hens ██████ Report number LM0104 (A-3075) GLP: Yes Published: No	Y	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.4.1/02	██████	2016b	Flutolanil: Residues of Flutolanil and its Metabolites in Milk and Tissues of Dairy Cows ██████ Report number LM0103 (R-3396) GLP: Yes	Y	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Published: No				
IIA 6.6/02	Downey, S.S	1992	Uptake of [¹⁴ C]-Flutolanil residues in soil by rotational crops under confined conditions, NOR-AM Chemical Company, North Carolina, USA, Unpublished report No.: Aventis ref: B002405. E-3021	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA 6.2.1/01	Downey, S.S, Meyer, B.N; Rupprecht, J.K	1993	Metabolism of ¹⁴ C-flutolanil in peanuts, NOR-AM Chemical Co., North Carolina, USA, Unpublished report No.: R-3015.	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/02	Dupont, C.	1990	Flutolanil formulation EXP 10057 (DS) Essai France 1990. Residus dans la pomme de terre Rhone-Poulenc Agro, Lyon, France Report No.: AG/CRDL/AN/9016657 Date: 27.11.1990 Nihon Nohyaku, Report No.: R-3060. GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.6/01	Giraud, J.P.	2001	Flutolanil Formulation EXP10057A (DS), North/United Kingdom/1999-8 Decline study trials, Residue in winter wheat (soil, plant, grain and straw), rape (soil, plant and grain) Following crops study Aventis CropScience, Lyon, France Report No.: R&D/CRDL/AN/mr/0115271 Date:18.6.2001, Nihon Nohyaku, Report No.: R-3059 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
CA 6.2.3/01	██████████	2011	[¹⁴ C] Flutolanil – Absorption, distribution, metabolism and excretion following repeated oral administration to the lactating ruminant. ████████████████████	Y	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Report number: 8241196 Nihon Nohyaky Co. Ltd code R-3304 GLP: yes Published: No				
IIA 6.2.2/02	██████ ██████ ██████ ██████	1989	The metabolism of 14C-flutolanil in laying hens, ██████████ ██████████ Report No. R-3012.	Y	N		NIH
IIA 6.2.3/03	██████ ██████ ██████ ██████	1989	The metabolism of 14C-flutolanil in goats, ██████████ ██████████ Report No. R-3013.	Y	N		NIH
CA 6.2.1/06	Ki Chang Ahn	2016	A metabolism study with [Trifluoromethyl Ring-U- ¹⁴ C] Flutolanil (1 Radiolabel) in Potatoes PTRL West Report number: 2556W-1 (R-3381) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.6.1/02	Ki Chang Ahn	2016a	Confined Rotational Crop Study with [Trifluoromethyl Ring-U- ¹⁴ C] Flutolanil applied at 480 g ai/ha (one radiolabel) PTRL West Report number: 2697 W (R-3390) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.6.1/02	Ki Chang Ahn	2016b	Confined Rotational Crop Study with [Trifluoromethyl Ring-U- ¹⁴ C] Flutolanil applied at 2100 g ai/ha (one radiolabel) PTRL West Report number: 2698 W (R-3389) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
IIA 6.2.1/03	Lewis, C.J	1999	14C-Flutolanil: Metabolism in potatoes, Covance Laboratories Ltd., North Yorkshire, England, Unpublished report No.: R-3025.	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 6.3.1/16	Lines J	2016d	Flutolanil 70DF: residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 4 sites in northern Europe, 2015 Eurofins Agroscience Services Ltd Report number: S15-00015 (R-3392) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/06	Lines, J	2016a	Moncut 40SC/ Flutolanil 40SC: Study to generate seed potato treated with flutolanil for use in subsequent residue studies Eurofins Agroscience Services Ltd Report number: S15-00013 (R-3388) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/07	Lines, J	2016b	Flutolanil (Moncut) 40SC/ Rhino DS treated seed: Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 5 sites in northern Europe, 2015 Eurofins Agroscience Services Ltd Report number: S15-00014 (R-3391) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/08	Lines, J	2016c	Flutolanil (Moncut) 40SC/ Rhino DS treated seed: Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 4 sites in southern Europe,	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			2015 Eurofins Agrosience Services Ltd Report number: S15-00016 (R-3393) GLP: Yes Published: No				
CA 6.3.1/17	Martin C	2016	Flutolanil 70DF: residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 4 sites in southern Europe, 2015 Eurofins Agrosience Services Ltd Report number: S15-00017 (R-3394) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.2.2/01	██████████	2016a	Flutolanil: Metabolism in laying hens ██████████ Report number: LMS0102 (R-3386) GLP: Yes Published: No	Y	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.2.3/02	██████████	2016b	Flutolanil: Metabolism in the Lactating Goat ██████████ Report number: LMS0101 (R-3387) GLP: Yes Published: No	Y	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.1/03	Merdian, H	2017	Storage Stability of Flutolanil and its Metabolites (M-2, M-4, M-101, M-102) in 2 Crops under Deep Frozen Conditions. Eurofins Agrosiences Services Chem Ltd. Report number: S16-00671 (3 rd Interim Report) R-3411 GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA	Merdian, H	2016a	Determination of residues	N	Y	Article 59(1)	Nihon-

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
6.3.1/03			of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 3 sites in northern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S16-03442 (R-3382) GLP: Yes Published: No			&(2) of Regulation (EC) 1107/2009 applies	Nohyaku Cp. Ltd.
CA 6.3.1/05	Merdian, H	2016b	Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 3 sites in northern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S16-03453 (R-3383) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/13	Merdian, H	2016c	Determination of residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 4 sites in northern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S16-03454 (R-3384) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/15	Merdian, H	2016d	Determination of residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 4 sites in southern Europe, 2014 Eurofins Agroscience	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Services Ltd Report number: S16-03455 (R-3385) GLP: Yes Published: No				
IIA, 6.3/01	Messelink, H.J.	1992	Residues of flutolanil in ware-potatoes The Netherlands. 1991 Rhone-Poulenc Agro, B.V., Etten-Leur, The Netherlands Report No.: 92.005 Date: 31.3.1992 Nihon Nohyaku, Report No.: R-3028. GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA 6.1/04	Neal, J.L	1994	Storage stability of flutolanil residues in Whole Milk, USA 1993 NOR-AM Chemical Company Report number: AU-93R-11 (PC-3110) GLP: yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	
CA 6.5.1/01	O'Connel, C; Pratt, E	2015	[¹⁴ C] flutolanil: high temperature hydrolysis Battelle UK Ltd Report number"XG/15/020 GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
IIA, 6.3/11	Oxspring, S.	2003	Final Report on Project AF/6012/NN: To determine the magnitude of flutolanil residues at harvest in the raw agricultural commodity potatoes resulting from one dip application and one overall application of Flutolanil 40 SC, in Spain, in 2001. AGRISEARCH UK LTD, Report No.: AF/6012/NN Date: 31.3.2003 Nihon Nohyaku, Report No.: R-3054 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/12	Oxspring, S.	2003	Final Report on Project AF/6279/NN: To determine the	N	Y	Article 59(1) &(2) of Regulation	NIH

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			magnitude of flutolanil residues at harvest in the raw agricultural commodity potatoes resulting from one dip application and one overall application of Flutolanil 40 SC, in Spain, in 2002. AGRISEARCH UK LTD, Report No.: AF/6279/NN Date:06.3.2003 Nihon Nohyaku, Report No.: R-3057			(EC) 1107/2009 applies	
CA 6.6.2/02	Raufer, B	2017	Determination of residues of flutolanil after one application of Moncut 40SC (EU) on bare soil in rotational crops (radish, spinach and cereals) at 2 sites in Southern and Northern Europe 2014/2015 Eurofins Agrosience Services Ltd Report number: S14-04011 (R-3405)	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
IIA 6.1/02	Ricau, H	2004	Stability study of Flutolanil in potato, wheat (grain and straw) and rape (grain) after storage in a congelator at a temperature under minus 18 °C. Bayer Crop Science study no. 02-80 (R-3209). GLP: yes Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/06	Richard, M	1994b	Flutolanil. Formulation EXP 10057A ou Iota P (DS). Essai France 1993. Residus dans la pomme de terre de primeur Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/bd/9416370 Date: 20.9.1994 Nihon Nohyaku, Report No.: R-3030 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/08	Richard, M	1995d	Flutolanil and its metabolite (M4). Formulation EXP	N	Y	Article 59(1) &(2) of	NIH

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			10066A (SC). Trials France 1994. Residues in early potato Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/bd/9515654 Date: 27.4.1995 Nihon Nohyaku, Report No.: R-3023 GLP, Non published			Regulation (EC) 1107/2009 applies	
IIA, 6.3/03	Richard, M.	1995a	Flutolanil and metabolite (M4). Formulation EXP 10057A (DS). Trials France 1994. Residues in early potato Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/fb/9515672 Date: 18.5.1995 Nihon Nohyaku, Report No.: R-3021 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/04	Richard, M.	1995b	Flutolanil and metabolite (M4). Formulation EXP 10057A (DS). Trial France 1994. Residues in stored potato Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/bd/9515732 Date: 07.6.1995 Nihon Nohyaku, Report No.: R-3022 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/05	Richard, M.	1994a	Flutolanil. Formulation EXP 10057A (DS). Essai France 1993. Residus dans la pomme de terre conservation Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/bd/9416369 Date: 21.9.1994 Nihon Nohyaku, Report No.: R-3029 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/07	Richard, M.	1995c	Flutolanil and its metabolite (M4). Formulation EXP 10066 (SC). Essai France	N	Y	Article 59(1) &(2) of Regulation	NIH

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			1994. Residues in stored potato Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/bd/9515655 Date: 26.4.1995 Nihon Nohyaku, Report No.: R-3024 GLP, Non published			(EC) 1107/2009 applies	
IIA, 6.3/09	Richard, M.	1995c	Flutolanil. Formulation EXP 10066 (SC) OU IOTA L (SC). Essais France 1993. Residus dans la pomme de terre primeur Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/fd/9416371 Date: 20.9.1994 Nihon Nohyaku, Report No.: R-3031 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA 6.2.1/02	Smith, S.; Shelly, M; O'Neal S''	1994	Metabolic fate and distribution of 14C-flutolanil in rice. NOR_AM Chemical Co., North Caroline, USA Unpublished Report No R-3016	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA, 6.3/10	Souvignet, I.	1999	Flutolanil. Formulation EXP 10066A or RPA 10066F (FS). Trials Germany 1997. Residues in potatoes. Decline study, Rhone-Poulenc Agro, Lyon, France Report No.: R&D/CRLD/AN/msa /9816770 Date: 09.3.1999, Nihon Nohyaku, Report No.: R-3058 GLP, Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
CA 6.3.1/01	Sutherland, J	2015a	Flutolanil 40SC/Rhino DS: Study to generate seed potato treated with flutolanil fore use in subsequent residue studies Eurofins Agrosience Services Ltd Report number: S14-02899	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			(R-3373) GLP: Yes Published: No				
CA 6.3.1/02	Sutherland, J	2015b	Flutolanil 40SC/Rhino DS treated seed: Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 3 sites in northern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S14-02900 (R-3374) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/04	Sutherland, J	2015c	Flutolanil 40SC/Rhino DS treated seed: Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 4 sites in southern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S14-02901 (R-3375) N GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.3.1/09	Sutherland, J	2016	Study to generate seed potato treated with flutolanil for use in subsequent residue studies Eurofins Agroscience Services Ltd Report number: S16-02156 (R-3402) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA6.3.1/10	Sutherland, J	2017a	Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 3 sites in northern Europe, 2016 Eurofins Agroscience	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Services Ltd Report number: S16-02157 (R-3406) GLP: Yes Published: No				
CA6.3.1/11	Sutherland, J	2017b	Determination of residues of flutolanil following a seed treatment application of flutolanil (MONCUT) 40SC and Rhino DS in potato at 4 sites in southern Europe, 2016 Eurofins Agroscience Services Ltd Report number: S16-02159 (R-3408) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA6.3.1/12	Sutherland, J	2015b	Determination of residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 4 sites in northern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S14-03028 (R-3376) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA6.3.1/14	Sutherland, J	2015e	Flutolanil 70DF: residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 4 sites in southern Europe, 2014 Eurofins Agroscience Services Ltd Report number: S14-03029 (R-3377) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA6.3.1/18	Sutherland, J	2017c	Determination of residues of flutolanil following in	N	Y	Article 59(1) &(2) of	Nihon-Nohyaku

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			furrow application of Flutolanil 70DF in potato at 4 sites in northern Europe, 2016 Eurofins Agrosience Services Ltd Report number: S16-02158 (R-3407) GLP: Yes Published: No			Regulation (EC) 1107/2009 applies	Cp. Ltd.
CA6.3.1/19	Sutherland, J	2017d	Determination of residues of flutolanil following in furrow application of Flutolanil 70DF in potato at 5 sites in southern Europe, 2016 Eurofins Agrosience Services Ltd Report number: S16-02160 (R-3409) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
IIA, 6.1/01	Williams, L.E.	1996	Stability of flutolanil and its metabolite, M-4, in potatoes during frozen storage AgrEvo USA Company, NC, USA Report No.:A55764 Date: 22.4.1996 Nihon Nohyaku, Report No.: A-3024 GLP: yes Non published	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
IIA 6 /03	Wouters, G.A.J.M	1999	Storage stability of flutolanil in soil, Analytico Research B.V., Breda, the Netherlands, Unpublished Report No A-3026	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	NIH
CA 6.1./07	Yoshizane, T	2017	Flutolanil: Storage stability for Flutolanil and its Metabolites in Foodstuffs of Animal Origin (Cow) Nihon-Nohyaku Co. Ltd. Report number: GE-03, 16-0103 (R-3403) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 6.2./04	Yoshizane, T	2013a	Plant metabolism of 14-C Flutolanil in cabbage Nihon-Nohyaku Co. Ltd. Report number: LSRC-M12-085A (R-3341) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.
CA 6.2./05	Yoshizane, T	2013b	Plant metabolism of 14-C Flutolanil in Rice Nihon-Nohyaku Co. Ltd. Report number: LSRC-M12-129A (R-3341) GLP: Yes Published: No	N	Y	Article 59(1) &(2) of Regulation (EC) 1107/2009 applies	Nihon-Nohyaku Cp. Ltd.

A.8 Environmental fate and behaviour

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.1.1.1-01	Morgenroth, U.	1993	¹⁴ C-Flutolanil: Degradation in four soils incubated under aerobic conditions RCC UMWELTCHEMIE AG, Switzerland Report: R-3018 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.1.1-02	Swason, M.	1996	Aerobic soil metabolism of ¹⁴ C-Flutolanil Battelle Columbus Operations, USA Report: A55786/W70 (E-3026) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.1.1.1-03	Yoshizane, T	2015	Aerobic soil metabolism of ¹⁴ C- Flutolanil Nihon Noyaku Co., Ltd, Japan Report: LRSC-M15- 111A (E-3055) GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.1.1.1-04	Yoshizane, T	2013	Aerobic soil metabolism study of [Phenyl-U- ¹⁴ C] Flutolanil Nihon Noyaku Co., Ltd, Japan Report: LRSC-M13- 008A (E-3050) GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.1.1.1-05	Aizawa, H.	1982	Decomposition Test of Flutolanil in Soil Mitsubishi-Kasei Institute, Japan Report: 56-076-(3) (E-3002) GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.1.1/06	Daly, D	1991b	Soil/Sediment Adsorption- Desorption of Soil Incorporated ¹⁴ C- Flutolanil Following Aerobic Aging ABC Laboratories, Inc, USA 37793 (E-3014) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.1.2-01	Mallipudi, N. & Cooke, L.	2013	Anaerobic Soil Metabolism of [¹⁴ C] Flutolanil Eurofins Product Safety Labs, USA Report: SR20130114A (E- 3049) GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.1.1.2-02	Roohi, A.	2016	[¹⁴ C]-Flutolanil: Route and Rate of Degradation in Soil under Anaerobic Conditions at 20°C Battelle UK Ltd, UK Report: XG/15/007 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.1.1.2/03	Daly, D	1991	Anaerobic Aquatic Metabolism of ¹⁴ C- Flutolanil ABC Laboratories, Inc. USA 36762 (E-3013) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.1.3-01	Cooper, J and Moore, H	2016	[¹⁴ C]-Flutolanil: Soil Photolysis Battelle UK Ltd, UK Report: XG/15/008 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.1.1.3-02	Carpenter, M	1991	Determination of the Photolysis Rate of Flutolanil on the Surface of Soil Analytical Bio- Chemistry Laboratories, USA Report: 38480 (E3022) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.1.1- 01	Völkl, S.	2001	Degradation of [¹⁴ C]- Flutolanil in one soil incubated under aerobic conditions at 10°C RCC Umweltchemie AG, Switzerland Report: C017049 (E- 3031) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.1.1- 02	Hardy, I., Agostini, F. & Jastrzebski, N.	2016a	Flutolanil: Kinetic Modelling Analysis of Data from Aerobic Soil Metabolism Studies Battelle UK Ltd, UK Report: XG/15/023D GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.1.2.2.1- 01	Wicks, R.	1999	FLUTOLANIL: Field Soil Dissipation Study after Soil and Seed Potato Treatment in Northern Europe Rhône-Poulenc Agriculture, UK Report: 202274 (E- 3027) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.2.1- 02	Ginzburg, N & Hardy, I.	2007	Field soil dissipation of flutolanil in a typical potato growing area following one application of Flutolanil 40SC under field conditions (the Netherlands – season 2005) Battelle Geneva Research Centre, Switzerland Report: FA-26-05-01, (E-3042) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.2.1- 03	Castro, L.	1994	Dissipation of Flutolanil on Bare Soil Following Application of Flutolanil 50WP, USA, 1989 NOR-AM Chemical Company, USA Report: E-3018 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.2.1- 04	Hardy, I., Agostini, F. & Jastrzebski, N.	2016b	Flutolanil: Kinetic Modelling Analysis of Data from Field Soil Dissipation Studies Conducted in Europe Normalised to 20°C and pF2 (Spray Application Trials) Battelle UK Ltd, UK Report: XG/15/023A GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.1.2.2.1- 05	Hardy, I., Agostini, F. & Jastrzebski, N.	2016c	Flutolanil: Kinetic Modelling Analysis of Data from Field Soil Dissipation Studies Conducted in Europe Battelle UK Ltd, UK Report: XG/15/023B GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.2.1- 06	Hardy, I., & Jastrzebski, N.	2016a	Flutolanil: Kinetic Modelling Analysis of Data from Field Soil Dissipation Studies Conducted in Europe Normalised to 20°C and pF2 (Tuber Application Trials) Battelle UK Ltd, UK Report: XG/15/023C GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.2.2.2- 01	Castro, L.	1993	Long-term Field Dissipation of Flutolanil Under Conditions of Peanut Cultivation Initiated 1989, USA NOR-AM Chemical Company, USA Report: E-3023 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.3.1.1- 01	Daly, D.	1987	Soil/Sediment Adsorption- Desorption with ¹⁴ C- Flutolanil Analytical Bio- Chemistry Laboratories, USA Report: #35398 (E3015) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.3.1.1- 02	Williams, M.	1992a	Soil/Sediment Adsorption- Desorption with ¹⁴ C- Flutolanil Analytical Bio- Chemistry Laboratories, USA Report: #40130 (E- 3019) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.1.3.1.2- 01	Williams, M.	1992b	Soil/Sediment Adsorption- Desorption with ¹⁴ C- Desisopropylflutolanil Analytical Bio- Chemistry Laboratories, USA Report: #40410 (E3020) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.1.4.1.1- 01	Ellgehausen E.	1986	Leaching Characteristics of MONCUT (Flutolanil) in Three Soils RCC UMWELTCHEMIE AG, Switzerland Report: #066330 (E- 3005) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.2.1.1-01	Daly D., & Ediger K.	1987	Hydrolysis of ¹⁴ C- Flutolanil as a Function of pH at 25°C Analytical Bio- Chemistry Laboratories, USA Report: 35399 (E- 3016) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.2.1.1-02	O'Connell, C and Adams, A	2015	[¹⁴ C]-Flutolanil: Aqueous Hydrolysis as a Function of pH Battelle UK Ltd, UK Report: XG/15/010 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.2.1.2-01	Carpenter, M. & Fennessey, M.	1991	Determination of Photodegradation of ¹⁴ C-Flutolanil in Aqueous Solution Analytical Bio- Chemistry Laboratories, USA Report: #35176R (E- 3010) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.2.1.2-02	Bashir,. M.	1991	Identification of Degradation Products of Flutolanil in an Aqueous Photosensitized System Analytical Bio-Chemistry Laboratories, USA Report: #38426 (E-3011) GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.2.1.2-03	Tsuneyuki, T.	2016	Photodegradation of Flutolanil in buffer solution Research Center Nihon Noyaku Co., Ltd, Japan Report: LSRC-E15-152A (E-3056eu) GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.2.2.1-01	Kitano, M.	1987	The Biodegradability Test of S-824 Chemical Biotesting Center, Japan Report: E-3003 GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.2.2.2-01	Dobson, R. & Cooper, J.	2016	[¹⁴ C]-Flutolanil: Aerobic Mineralisation in Surface Water Battelle UK Ltd, UK Report: XG/15/012 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.2.2.3-01	Wyss-Benz, M.	1993	¹⁴ C-Flutolanil: Degradation and Metabolism in Two Aerobic Aquatic Systems RCC UMWELTCHEMIE AG, Switzerland Report: R-3017 GLP: Yes Published: No	N	N	-	Nihon Nohyaku Co. Ltd

Reference	Author	Year	Title Testing facility Report No. GLP [Y/N] Published [Y/N]	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CA 7.2.2.3-02	Adams, A. and Simmonds, M.	2016	[¹⁴ C]-: Route and Rate of degradation in Two Water/Sediment Systems at 20 ± 2°C Battelle UK Ltd, UK Report: XG/15/013 GLP: Yes Published: No	N	Y	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co. Ltd
CA 7.2.2.3-03	Hardy, I., Agostini, F. & Jastrzebski, N.	2016d	Flutolanil: Kinetic Modelling Analysis of Data from Water-Sediment Studies Battelle UK Ltd, UK Report: XG/15/023J GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.3.1-01	Van der Gaauw, A	2000	Estimation of the photo-degradation of flutolanil by photo-oxidation in air. Model Calculation according to Atkinson RCC Ltd, Switzerland C010509 (PC-3030) GLP: No Published: No	N	N	-	Nihon Nohyaku Co. Ltd
CA 7.5/01	Stuart, M <i>et al</i>	2011	Emerging contaminants in groundwater British Geological Survey, Groundwater Science Programme. Open Report OR/11/013 GLP: No Published: Yes	N	N	-	-
CA 7.5/02	Schipper, P <i>et al</i>	2008	Pesticides in groundwater and drinking water wells: overview of the situation in the Netherlands Water Science and Technology 57.8, p1277-1286 GLP: No Published: Yes	N	N	-	-

Reference	Author	Year	Title	Vertebrate Study [Y/N]	Data Protection claimed [Y/N]	Justification	Owner
CP 9.2.4.1-01	Hardy, I., & Jastrzebski, N.	2016b	Predicted Environmental Concentrations in Groundwater (PEC _{gw}) for Flutolanil Following Application to Potatoes and Flower Bulbs Report: XG/15/023E GLP: No Published: No	N	N	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CP 9.2.5-01	Hardy, I., & Agostini, F.	2016a	Predicted Environmental Concentrations in Surface Water (PEC _{sw}) and Sediment (PEC _{sed}) for Flutolanil Following Seed Treatment Application to Potatoes - Steps 1 & 2 Report: XG/15/023F GLP: No Published: No	N	N	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CP 9.2.5-02	Hardy, I., & Agostini, F.	2016b	Predicted Environmental Concentrations in Surface Water (PEC _{sw}) and Sediment (PEC _{sed}) for Flutolanil Following Seed Treatment Application to Potatoes - FOCUS _{sw} Step 3 Report: XG/15/023G GLP: No Published: No	N	N	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
CP 9.2.5-03	Hardy, I., & Agostini, F.	2016c	Predicted Environmental Concentrations in Surface Water (PEC _{sw}) and Sediment (PEC _{sed}) for Flutolanil Following Spray Application/Incorporation to Bulbs - Steps 1 & 2 Report: XG/15/023H GLP: No Published: No	N	N	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd

CP 9.2.5-04	Hardy, I., & Agostini, F.	2016d	Predicted Environmental Concentrations in Surface Water (PEC _{sw}) and Sediment (PEC _{sed}) for Flutolanil Following Spray Application/Incorporation to flower bulbs - FOCUS _{sw} Step 3 Report: XG/15/023I GLP: No Published: No	N	N	Article 59(1) & (2) of Regulation (EC) 1107/2009 applies	Nihon Nohyaku Co., Ltd
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A.9 Ecotoxicology data

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
CA 8.2.1-01	██████████ ██████	1987a	Acute toxicity of flutolanil technical to rainbow trout (<i>Salmo gairdneri</i>) Report No.: 35378 (W-3008) Test facility: ██████████ ██████████ ██████████ ██████ GLP: Y / Published: N	Y	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.1-02	██████████ ██████	1987b	Acute toxicity of flutolanil technical to bluegill sunfish (<i>Lepomis macrochirus</i>) Report No.: 35377 (W-3009) ██████████ ██████████ ██████████ ██████ GLP: Y / Published: N	Y	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.1-03	██████████ ██████	1990	Acute toxicity of flutolanil technical to fathead minnow (<i>Pimephales</i>	Y	N		Nihon-Nohyaku Co. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			<i>promelas</i> Report No.: 38101 (W-3010) Test facility: [REDACTED] [REDACTED] [REDACTED] GLP: Y / Published: N				
CA 8.2.2.1-01	[REDACTED]	1995	Early life-stage toxicity of flutolanil to the fathead minnow (<i>Pimephales promelas</i>) under flow-through conditions Report No.: 41685 (W-3030) Test facility: [REDACTED] [REDACTED] [REDACTED] GLP: Y / Published: N	Y	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.2.1-02	Palmer, D.A.	2016	EAG Laboratories letter – To whom it may concern. October 18, 2016 Test facility: EAG laboratories (formerly ABC Laboratories) GLP: N / Published: N	N	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.2.3-01	[REDACTED]	1991	Uptake, depuration and bioconcentration of ¹⁴ C-Flutolanil by bluegill (<i>Lepomis macrochirus</i>) Report No.: 37902 (W-3013)	Y	N		Nihon-Nohyaku Co. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Test facility: [REDACTED] [REDACTED] [REDACTED] [REDACTED] GLP: Y / Published: N				
CA 8.2.2.3-02	[REDACTED] [REDACTED]	1991	Characterization of ¹⁴ C-flutolanil residues in bluegill (<i>Lepomis macrochirus</i>) water and tissues Report No.: 38946 (W-3022) Test facility: [REDACTED] [REDACTED] [REDACTED] [REDACTED] GLP: Y / Published: N	Y	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.3-01	[REDACTED] [REDACTED]	2011	Flutolanil: Fish Short-Term Reproduction Assay with the Fathead Minnow (<i>Pimephales promelas</i>) Report No.: 397A-148 (W-3072) Test facility: [REDACTED] [REDACTED] [REDACTED] GLP: Y / Published: N	Y	Y	Y	Nihon-Nohyaku Co. Ltd.
CA 8.2.4.1-01	Forbis, A.D., Young, B.M., Hicks, S.L.	1990	Acute toxicity of flutolanil to <i>Daphnia magna</i> Report No.: 38718 (W-3014) Test facility: Analytical Bio-Chemistry Laboratories,	N	N		Nihon-Nohyaku Co. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Inc. GLP: Y / Published: N				
CA 8.2.4.2-01	Forbis, A.D.	1991	Acute toxicity of flutolanil to <i>Mysidopsis bahia</i> Report No.: 38720 (W-3015) Test facility: Analytical Bio-Chemistry Laboratories, Inc. GLP: Y / Published: N	N	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.5.1-01	Blakemore G.C., Burgess, D.	1991	21-Day chronic static renewal toxicity of flutolanil to <i>Daphnia magna</i> Report No.: 38721 (W-3017) Test facility: Analytical Bio-Chemistry Laboratories, Inc. GLP: Y / Published: N	N	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.5.1-02	Palmer, D.A.	2016	EAG Laboratories letter – To whom it may concern. October 18, 2016 Test facility: EAG laboratories (formerly ABC Laboratories) GLP: N / Published: N	N	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.5.2-01	Kowalski, P.L., Boeri, R.L., Ward, T.J.	1995	Life-cycle Toxicity of Flutolanil to Mysid, <i>Mysidopsis bahia</i>	N	N		Nihon-Nohyaku Co. Ltd.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
			Report No.: 481-NI (W-3029) Test facility: T.R. Wilbury Laboratories, Inc. GLP: Y / Published: N				
CA 8.2.5.3-01	Desmares-Koopmans, D.	2003	Sediment-water Chironomid toxicity test using water spiked with Flutolanil Report No.: 335431 (N-3025) Test facility: NOTOX B.V. GLP: Y / Published: N	N	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.6.1-01	Migchielsen, M.H.J.	2003	Fresh water algal growth inhibition test with Flutolanil Report No.: 354904 (N-3014) Test facility: NOTOX B.V. GLP: Y / Published: N	N	N		Nihon-Nohyaku Co. Ltd.
CA 8.2.8-01	Yang, Y., <i>et al.</i>	2016	Toxic Effects of Bromothalonil and Flutolanil on Multiple Developmental Stages in Zebrafish Report No.: Not applicable Institution: China Agricultural University GLP: N / Published: Y	Y	N		Not applicable
CA 8.2.8-	Matsumoto, K.-I., <i>et al.</i>	2009	Toxicity of Agricultural	Y	N		Not applicable

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
02			Chemicals in <i>Daphnia magna</i> Report No.: Not applicable Institution: Sakai City Institute & Osaka City University GLP: N / Published: Y				
CP 10.2.1-01	Yaginuma, S.	2007	Algal growth inhibition test of Flutolanil 40SC Report No: LSRC-E07-045A (N-3029) & (Report amendment, 2016) Performing Lab: Nihon Nohyaku Co., Ltd. GLP: Yes, Published: No	N	Y	Y	Nihon Nohyaku Co. Ltd