



# **Draft Assessment Report (DAR)**

**- public version -**

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

## **RAPESEED OIL**

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

**Volume 2, Annex A**

**September 2008**

# MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACIÓN

INSTITUTO NACIONAL DE INVESTIGACIÓN Y  
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Monograph prepared in the context of the inclusion of the following active  
substance in Annex I of the Council Directive 91/414/EEC

## **RAPSEED OIL**

Volume II

Annex A

List of Tests and Studies

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**A List of the tests and studies submitted and of information available (IIA and IIIA)****A.1 Identity (IIA 1; IIIA 1)**

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Anonymous	II, 1.8.1/01 II, 1.8.2/01	2002	Manufacturing process of refined rapeseed oil [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	Yes	NEU
Anonymous	IIIA, 1.3/01	2002	Rüböl, raffiniert (German and English version) [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	Yes	NEU
Anonymous	II, 1.9.1/02	--	Specification of rapeseed oil, refined (CAS 8002-13-9) according to Pharmacopoeia European 5.0, amended by additional parameters out of the specification of the producer [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	--	--
Anonymous	II, 1.9.1/03	1976	“Council Directive 76/621/EEC of 20 July 1976 relating to the fixing of the maximum levels of erucic acid in oils and fats intended as such for human consumption and in foodstuffs containing added oils and fats” published: yes	--	--
Anonymous	II, 1.11.1/01	2001	Composition of 9 certificates of analysis of refined rapeseed oil over a period of 26.07.1999 until 29.06.2001 [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	Yes	NEU
Anonymous	II, 1.11.1/02	2006	Analytical certificate of 4 batches of Rapeseed (colza) oil, refined. [REDACTED] Report-no. not stated GLP: no published: no	--	--
Anonymous	IIA 4.2.1/01.	??	2.301 Preparation of the fatty acid methyl esters not stated IUPAC Report-no. not stated GLP: no published: yes	No	--

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Anonymous	II, 4.2.1/02	??	2.302 Gas-liquid chromatography of fatty acid methyl esters not stated IUPAC Report-no. not stated GLP: no published: yes	No	--
Anonymous	II, 4.2.1/03 and II, 4.2.1/04	??	"Gas chromatography Analysis of Fatty Acids and Fatty Acid Distribution)." DFG standard methods, Section C-Fats C-VI 10a (00); "Fatty Acid Methyl Esters (Borotrifluoride Method)". DFG standard methods, Section C-Fats C-VI 11a (98).	No	--
<b>Annex III Data and Information</b>					
Anonymous	Annex III, 1.4.1/01	2004	Material Safety Data Sheet [REDACTED] [REDACTED] [REDACTED] MSDS No.: 15-01581 Date: 2004-04-02 Non-GLP, unpublished	--	[REDACTED]
Anonymous	Annex III, 1.4.1/02	2003	Material Safety Data Sheet [REDACTED] [REDACTED] [REDACTED] SDS No.: 0000001347 Date: 2003-11-17 Non-GLP, unpublished	--	[REDACTED]
Anonymous	Annex III, 1.4.1/01	2004	Material Safety Data Sheet [REDACTED] [REDACTED] [REDACTED] MSDS No.: 15-01581 Date: 2004-04-02 Non-GLP, unpublished	--	[REDACTED]

## A.2 Physical and chemical properties (IIA 2; IIIA 2)

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Anonymous	IIA 2.5.1.1/01	-	Rapeseed oil. Annex II, Point 2.5.1.1. UV / VIS - Report-no. not stated GLP: no published: no	yes	-
Anonymous	IIA 2.4.1/01	2002	Product health and safety data [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	yes	NEU
Anonymous	IIA 2.4.2/01	2002	Product health and safety data [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no Submitted in: KIIA 2.4.1/01	yes	NEU
Anonymous	IIA 3.7/01	2002	Product health and safety data [REDACTED] W. Neudorff GmbH KG Report-no. not stated GLP: no published: no Submitted in: KIIA 2.4.1/01	yes	NEU
Krips, H.J.	IIA 2.2/01	2000a	Determination of the density (liquid) of NEU 1160 I Notox B.V, 5231 DD 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. NOTOX Project 300364 GLP: yes published: no	yes	NEU
Krips, H.J.	IIA 2.11.2/01	2000b	Determination of the auto-ignition temperature of NEU 1160 I Notox B.V, 5231 DD 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. NOTOX Project 300329 GLP: yes published: no	yes	NEU
Krips, H.J.	IIA 2.12/01	2000c	Determination of the flash-point of NEU 1160 I Notox B.V, 5231 DD 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. NOTOX Project 300318 GLP: yes published: no	yes	NEU

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Krips, H.J.	IIA 2.14/01	2000d	Determination of the surface tension of an aqueous solution of NEU 1160 I Notox B.V, 5231 DD 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. NOTOX Project 300353 GLP: yes published: no	yes	NEU
Mekelburguer H.B.	IIA 2.5.1.2/01	2004	Performance of infrared spectroscopy on rapeseed oil Aqura GmbH, Gebäude 145. Marl. Germany Neudorff GmbH KG Report-no. AN-ASB 0314 GLP: yes published: no	yes	NEU
Smeykal, H.	IIA 2.1.2/01	2003	Boiling point /Boiling range Sicherheitstechnik Siemens Axiva GmbH & Co. KG, Frankfurt Neudorff GmbH KG Report-no. 20030778.01 GLP: yes published: no	yes	NEU
Smeykal, H.	IIA 2.1.3/01	2003	Boiling Point/ Boiling Range Sicherheitstechnik Siemens Axiva GmbH & Co. KG, Frankfurt Neudorff GmbH KG Report-no. 20030778.01 GLP: yes published: no Submitted in: KIIA 2.1.2/01	yes	NEU
Tiemann, J.	IIA 2.3.1/01	2003a	Vapour Pressure Determination GAB Consulting GmbH, 21769 Lamstedt, Germany W. Neudorff GmbH KG Report-no. 105159-A2-020301-01 GLP: no published: no	yes	NEU
Tiemann, J.	IIA 2.3.2/01	2003b	Rape seed oil (Oleic Acid Ester) Reg-Nr.:20020479 TG. Point 2.3.2 Henry's law constant GAB Consulting GmbH, Lamstedt, Germany W. Neudorff GmbH KG Report-no. 105159-A2-020302-01 GLP: no published: no	yes	NEU
Tiemann, J.	IIA 2.6/01	2003c	Solubility in water GAB Consulting GmbH, 21769 Lamstedt, Germany W. Neudorff GmbH KG Report-no. 105159-A2-0206-01 GLP: no published: no	yes	NEU
Tiemann, J.	IIA 2.8.1/01	2003d	n-octanol/water partition coefficient GAB Consulting GmbH, Lamstedt, Germany W. Neudorff GmbH KG Report-no. 105159-A2-0208-01 GLP: no published: no	yes	NEU

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Wilfinger, W.	IIA 2.1.1/01	2003a	Melting/Freezing Temperature of Rapeseed oil GAB Biotechn. GmbH & IFU Umweltanalytik GmbH, Germany Neudorff GmbH KG Report-no. 20031238/01-PCFP GLP: yes published: no	yes	NEU
Wilfinger, W.	IIA 2.7/01	2003b	Solubility of rapeseed oil in organic solvents GAB Biotechn. GmbH & GAB Analytik GmbH, Niefern-Öschelbron W. Neudorff GmbH KG Report-no. 20031238/01-PSBO GLP: yes published: no	yes	NEU
<b>Annex III Data and Information</b>					
Krips H.J.	IIIA 2.4.2/01	2000	Determination of the pH of an aqueous dispersion of NEU 1160 I Notox B.V, 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. 300331 GLP: yes published: no	yes	NEU
Krips H.J.	IIIA 2.5.2/01	2000	Determination of the viscosity of NEU 1160 I Notox B.V, 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. 300342 GLP: yes published: no	yes	NEU
Krips H.J.	IIIA 2.5.3/01	2000	Determination of the surface tension of an aqueous solution of NEU 1160 I Notox B.V, 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. 300353 GLP: yes published: no	yes	NEU
Krips H.J.	IIIA 2.6.1/01	2000	Determination of the density (liquid) of NEU 1160 I Notox B.V, 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. 300364 GLP: yes published: no	yes	NEU
Krips, H.J.	IIIA 2.3.1/01	2000	Determination of the flash-point of NEU 1160 I Notox B.V, 5231 DD 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. NOTOX Project 300318 GLP: yes published: no	yes	NEU



Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Krips, H.J.	IIIA 2.3.3/01	2000	DETERMINATION OF THE AUTO-IGNITION TEMPERATURE OF NEU 1160 I Notox B.V, 5231 DD 's-Hertogenbosch, The Netherlands W. Neudorff GmbH KG Report-no. NOTOX Project 300329 GLP: yes published: no	yes	NEU
Parker D.L.	IIIA 2.1/01	1996	LOW TEMPERATURE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. not stated GLP: yes published: no <b>Submitted in: KIIIA 2.7.4/01</b>	yes	NEU
Parker D.L.	IIIA 2.7.1/01	1996	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. not stated GLP: yes published: no	yes	NEU
Parker D.L.	IIIA 2.7.4/01	1996	LOW TEMPERATURE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. not stated GLP: yes published: no	yes	NEU
Parker D.L.	IIIA 2.8.2/01	1996	FOAMING OF NEU 1161 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. not stated GLP: yes published: no	yes	NEU
Parker D.L.	IIIA 2.7.5/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no	yes	NEU
Parker D.L.	IIIA 2.7.6/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no <b>Submitted in: KIIIA 2.7.5/01</b>	yes	NEU

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Parker D.L.	IIIA 2.8.7.1/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no <b>Submitted in: KIIIA 2.7.5/01</b>	yes	NEU
Parker D.L.	IIIA 2.8.7.2/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no <b>Submitted in: KIIIA 2.7.5/01</b>	yes	NEU
Parker D.L.	IIIA 2.8.7.3/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no <b>Submitted in: KIIIA 2.7.5/01</b>	yes	NEU
Parker D.L.	IIIA 2.8.7.4/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no <b>Submitted in: KIIIA 2.7.5/01</b>	yes	NEU
Parker D.L.	IIIA 2.8.7.5/01	2001	STORAGE STABILITY OF NEU 1160 I Eco-Care Technologies Inc., Sidney, BC V8L 5L6, Canada W. Neudorff GmbH KG Report-no. NEU1160-990410 GLP: yes published: no <b>Submitted in: KIIIA 2.7.5/01</b>	yes	NEU

**A.3 Further information (IIA 3; IIIA 3 and 4).**

The applicant has not submitted any reference concerning this point.

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**A.4 Classification, packaging and labelling (IIA, 10; IIIA, 12.3 and 12.4)**

The applicant has not submitted any reference concerning this point.

WARNING: This document forms part of an EC evaluation data package and should not be read in isolation. Registration must not be granted on the basis of this document.

**A.5 Methods of analysis (IIA 4; IIIA 5)**

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Anonymous	IIA 4.4/04	1992	Reregistration eligibility document: Soap salts not stated USEPA Report-no. 540/RS-93-231 GLP: no published: yes	no	-
Anonymous	IIA 4.3/02	1998	Canola oil;exemption from the requirement of a tolerance not stated USEPA Report-no. not stated GLP: no published: yes	no	-
Anonymous	IIA 4.5/01	1998	Canola oil;exemption from the requirement of a tolerance not stated USEPA Report-no. not stated GLP: no published: yes Submitted in: KIIA 4.3/02	no	-
Anonymous	IIA 4.3/01	2004	Concerning the data requirements for active substances of plant protection products made from plants or plant extracts not stated European commission Report-no. SANCO/10472/2003-rev.5 GLP: no published: yes	no	-
Cleve, A.; Goring, C.A.I.; Hamaker; J.W.	IIA 4.4/01	1972	Organic chemicals in the soil environment not applicable Marcel Dekker Inc. New York Report-no. not applicable GLP: no published: yes	no	-
Moucawi J. et al.	IIA 4.4/02	1981	Decomposition of lipids in soils: free and esterified fatty acids, alcohols and ketones not stated not stated Report-no. not stated GLP: no published: yes	no	-
Smith J.H.	IIA 4.4/03	1974	Decomposition in soil of waste cooking oils used in potato processing not stated J.Environ.Quality, Vol. 3, no. 3, 1974 Report-no. not stated GLP: no published: yes	no	-
<b>Annex III Data and Information</b>					

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Anonymous	IIIA 5.2.1/01	1900	2.301 PREPARATION OF THE FATTY ACID METHYL ESTERS not stated IUPAC Report-no. not stated GLP: no published: yes	no	-
Anonymous	IIIA 5.2.1/02	1900	2.302 GAS-LIQUID CHROMATOGRAPHY OF FATTY ACID METHYL ESTERS not stated IUPAC Report-no. not stated GLP: no published: yes	no	-

## A.6 Toxicology and metabolism (IIA 5; IIIA 7)

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Anonymous	IIA 5.2/01	2005	not applicable W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	no	NEU
Anonymous	IIA 5.2/02	2001	Codex Alimentarius Fats, Oils and Related Products not applicable not applicable Report-no. - GLP: no published: yes	no	-
Berg, J.M., Tymoczko, J.L., Stryer, L.	IIA 5.1/01	2002	Biochemistry not applicable W.H. Freeman and Co, New York, 5th Edition Report-no. - GLP: published: yes	no	--
Lenz, G.	IIA 5.2.3/01	1996	Acute inhalation toxicity - NEU 1161 I W. Neudorff GmbH KG Report-no. 96 50 41 804 GLP: yes published: no Submitted in: KIIIA7.1.3/01	yes	NEU
Otterdijk van, F.M	IIA 5.2.6/01	2002	Assessment of contact hypersensitivity to NEU 1160 in the albino guinea pig (maximisation-test) W. Neudorff GmbH KG Report-no. project 356052 GLP: yes published: no Submitted in: KIIIA7.1.6/01	yes	NEU
Pfau, W.	IIA 5.11/01	2005	Summary of the toxicological and metabolism studies on the on the active substance not applicable W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	yes	NEU
Reyes, H., Ribalta, J., Hernandez, I., Arrese, M., Pak, N., Wells, M., Kirsch, R.E.	IIA 5.6/01	1995	Is dietary erucic acid hepatotoxic in pregnancy? An experimental study in rats and hamsters Hepatology 21, 1373-1379 Report-no. GLP: published: yes	no	-

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Rijcken, W.R.P.	IIA 5.2.1/01	1996a	Assessment of acute oral toxicity with NEU 1161 I in the rat [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 170764 GLP: yes published: no Submitted in: KIIIA 7.1.1/01	yes	NEU
Rijken W.R.P.	IIA 5.2.4/01	1997	Primary skin irritation/corrosion study with NEU 1161 I in the rabbit (4-hour semi-occlusive application) [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 205739 GLP: yes published: no Submitted in: KIIIA 7.1.4/01	yes	NEU
Rijken, W.R.P.	IIA 5.2.2/01	1996b	Assessment of acute dermal toxicity with NEU 1161 I in the rat [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 170775 GLP: yes published: no Submitted in: KIIIA 7.1.2/01	yes	NEU
Rijken, W.R.P.	IIA 5.2.5/01	1996c	Acute eye irritation/corrosion study with NEU 1161 I in the rabbit [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 170797 GLP: yes published: no Submitted in: KIIIA 7.1.5/01	yes	NEU
Suzuki, H., Yamazaki, M., Arai, S., Nagao, A., Terao, J.	IIA 5.5./01	1991	Effect of lard, palm and rapeseed oils life conservation in aged mice - Mechanisms of Ageing and Development 60, pp 267-274 Report-no. GLP: published: yes	no	-
Yamashiro, S., Clandinin, M.T.	IIA 5.5./02	1980	Myocardial ultrastructure of rats fed high and low erucic acid rapeseed oils - Experimental and Molecular Pathology 33, pp 55-64 Report-no. GLP: published: yes	no	-
<b>Annex III Data and Information</b>					



Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Lenz, G.	IIIA 7.1.3/01	1996	Acute inhalation toxicity - NEU 1161 I [REDACTED] W. Neudorff GmbH KG Report-no. 96 50 41 804 GLP: yes published: no	yes	NEU
Otterdijk van, F.M.	IIIA 7.1.6/01	2002	Assessment of contact hypersensitivity to NEU 1161 in the albino guinea pig (maximisation-test) [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] project 356052 GLP: yes published: no	yes	NEU
Rijken, W.R.P.	IIIA 7.1.1/01	1996a	Assessment of acute oral toxicity with NEU 1161 I in the rat [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 170764 GLP: yes published: no	yes	NEU
Rijken, W.R.P.	IIIA 7.1.2/01	1996b	Assessment of acute dermal toxicity with NEU 1161 I in the rat [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 170775 GLP: yes published: no	yes	NEU
Rijken, W.R.P.	IIIA 7.1.5/01	1996c	Acute eye irritation/corrosion study with NEU 1161 I in the rabbit [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 170797 GLP: yes published: no	yes	NEU
Rijken, W.R.P.	IIIA 7.1.4/01	1997	Primary skin irritation/corrosion study with NEU 1161 I in the rabbit (4-hour semi-occlusive application) [REDACTED] W. Neudorff GmbH KG Report-no. [REDACTED] Project 205739 GLP: yes published: no	yes	NEU

**A.7 Residue data (IIA 6; IIIA 8 and 12.2)**

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protectio n Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Galliard, T.	IIA 6.2.1/02	1978	Lipolytik and lipoxygenase enzymes in plants and their action in wounded tissues not applicable In: Biochemistry of wounded plant tissues, Walter de Gruyter & Co., Berlin, New York, 155- 197 Report-no. not applicable GLP: no published: yes	no	-
Guthrie, H.A.	IIA 6.2.2/01	1975	Fats or lipids not applicable In: Introductory Nutrition, 3rd Ed., Times Mirrow/Mosby College Pub., St. Louis Report-no. not applicable GLP: no published: yes	no	-
Guthrie, H.A.	IIA 6.2.3/01	1975	Fats or lipids not applicable In: Introductory Nutrition, 3rd Ed., Times Mirrow/Mosby College Pub., St. Louis Report-no. not applicable GLP: no published: yes Submitted in: K IIA 6.2.2/01	no	-
Guthrie, H.A.	IIA 6.2.4/01	1975	Fats or lipids not applicable In: Introductory Nutrition, 3rd Ed., Times Mirrow/Mosby College Pub., St. Louis Report-no. not applicable GLP: no published: yes Submitted in: K IIA 6.2.2/01	no	-
Hitchcock, C., Nichols, B.	IIA 6.2.1/03	1971	Plant lipid biochemistry not applicable Academic Press, London Report-no. not applicable GLP: no published: yes	no	-
Murphy, D.J., Stumpf, P.K.	IIA 6.2.1/07	1980	In vivo pathway of oleate and linoleate desaturation in developing cotyledons of Cucumis sativus L. seedlings not applicable Plant Physiology Vol. 66: 666-671 Report-no. not applicable GLP: no published: yes	no	-
Rivera, C.M., Penner, D.	IIA 6.2.1/04	1979	Effect of herbicides on plant cell membrane lipids not applicable Residue Reviews Vol. 70: 45-76 Report-no. not applicable GLP: no published: yes	no	-

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Sinclair, H.M.	IIA 6.2.2/02	1964	Essential fatty acids not applicable In: Medical chemistry. Vol. 2: Lipid Pharmacology, 237-268. Report-no. not applicable GLP: no published: yes	no	-
Sinclair, H.M.	IIA 6.2.3/02	1964	Essential fatty acids not applicable In: Medical chemistry. Vol. 2: Lipid Pharmacology, 237-268. Report-no. not applicable GLP: no published: yes Submitted in: K IIA 6.2.2/02	no	-
Sinclair, H.M.	IIA 6.2.4/02	1964	Essential fatty acids not applicable In: Medical chemistry. Vol. 2: Lipid Pharmacology, 237-268. Report-no. not applicable GLP: no published: yes Submitted in: K IIA 6.2.2/02	no	-
Ting, I.P.	IIA 6.2.1/01	1982	Plant Physiology not applicable Addison-Wesley Publishing Company, London Report-no. not applicable GLP: no published: yes	no	-
Tso, T.C., Chu, H.	IIA 6.2.1/06	1977	The fate of fatty compounds and surfactants used as sucker control agents on field tobacco not applicable Beiträge zur Tabakforschung. Vol. 9: 58-62. Report-no. not applicable GLP: no published: yes	no	-
Tso, T.C., Chu, H., DeJong, D.W.	IIA 6.2.1/05	1975	Residue levels of fatty compounds and surfactants as suckering agents on tobacco not applicable Beiträge zur Tabakforschung. Vol. 8: 241-245 Report-no. not applicable GLP: no published: yes	no	-
Watt, B.K. & Merrill, A.L.	IIA 6.3.1/01	1963	Composition of foods - raw, processed and prepared not applicable U.S. Dep. of Agriculture Handbook No. 8, Washington, D.C., U.S. Report-no. not applicable GLP: no published: yes	no	-

**A.8 Environmental fate and behaviour (IIA 7; IIIA 9)**

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection n Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Anonymous	IIA 7.1.1/05	1992	The Reregistration Eligibility Document (RED) on Soap Salts. US EPA Report-no. not applicable GLP: no published: yes	no	-
Chu, F.L.; DuPuy, J.L.	IIA 7.7/01	1980	The fatty acid composition of three unicellular algal species used as food sources for larvae of the American oyster Lipids, 15, pp 356-364 Report-no. not applicable GLP: no published: yes	no	-
Chuecas, L.O.; Riley, J.P.	IIA 7.7/05	1969	Component fatty acids of the total lipids of some marine phytoplankton. J. Mar. Biol. Ass. U.K., 49, pp 97-116 Report-no. not applicable GLP: no published: yes	no	-
Cleve, A.; Goring, C.A.I.; Hamaker, J.W.	IIA 7.1.1/01	1972	Organic chemicals in the soil environment Marcel Dekker Inc. New York Report-no. not applicable GLP: no published: yes	no	-
Erwin, J.; Bloch, K.	IIA 7.7/07	1963	Polyunsaturated fatty acids in some microorganisms Biochem. Z., 338, pp 396-411 Report-no. not applicable GLP: no published: yes	no	-
Hertl, J.	IIA 7.7/08	2002	Ready Biodegradability of Pelargonic acid in a Manometric Respirometry Test Institut für Biologische Analytik, Rossdorf Germany W. Neudorff GmbH KG Report-no. 14737160 GLP: yes published: no	yes	NEU
Klenk, E.; Knipprath, W.; Eberhagen, E.; Koof, H.D.	IIA 7.7/03	1963	Über die ungesättigten Fettsäuren der Fettstoffe von Süßwasser und Meeresalgen Z. Physiol. Chem., 334, pp 44 Report-no. not applicable GLP: no published: yes	no	-
Li, C.Y.	IIA 7.1.1/06	1978	Soil fatty acids under alder. Conifer and mixed alder-conifer stands of coastal Oregon Soil Sci., 127, pp 92-96 Report-no. not applicable GLP: no published: yes	no	-

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
Metting, B.; Rayburn, W.	IIA 7.1.1/07	1979	Algal communities and soil microenvironments in an eastern Washington silt loam. Soil Sci., 127, pp 74-78 Report-no. not applicable GLP: no published: yes	no	-
Moucawi, J.E.; Fustec, P.J.	IIA 7.1.1/03	1981	Decomposition of Lipids in Soils: Free and Esterfied Fatty Acids, Alcohols and Ketones. Soil Biol. Biochem., 13, pp 461-468 Report-no. not applicable GLP: no published: yes	no	-
Mozol, V.; Nijholt, W.W.; McHarg, D.	IIA 7.2.1/02	1986	Fate of Capric and Pelargonic Fatty Acids in Soil Report-no. not stated GLP: no published: yes	no	-
Mudrack, K.; Kunst, S.	IIA 7.1.1/04	1988	Biologie der Abwasserreinigung Gustav Fischer Verlag. Stuttgart - New York Report-no. not applicable GLP: no published: yes	no	-
Nichols, B.W.	IIA 7.7/02	1965	Light-induced changes in the lipids of Chlorella vulgaris. Biochim. Biophys. Acta, 106, pp 274-279 Report-no. not applicable GLP: no published: yes	no	-
Schlenk, H.; Gellerman, J.L.	IIA 7.7/06	1965	Arachidonic, 5, 11, 14, 17 eicosatetraenoic and related acids in plants - identification of unsaturated fatty acids. J. Am. Oil Chem. Soc., 42, p 504 Report-no. not applicable GLP: no published: yes	no	-
Shaw, R.	IIA 7.7/04	1966	the Polyunsaturated fatty acids of microorganisms. Adv. Lipid Res., 4, pp 107-174 Report-no. not applicable GLP: no published: yes	no	-
Smith, J.H.	IIA 7.1.1/02	1974	Decomposition in soil of Waste Cooking Oils used in Potato processing. J. Environ. Qual., 3, No. 3, pp 279-281 Report-no. not applicable GLP: no published: yes	no	-
Süsser, P.	IIA 7.2.1/01	1990	Testing the biological degradability of Neudosan in two Soils Biochem GmbH, Daimlerstr. 5b, D-76185 Karlsruhe W. Neudorff GmbH KG Report-no. not stated GLP: no published: no	no	NEU

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protectio n Claimed Y/N	Owner (1)
Tiemann, J.	IIA 7.4.1/01	2005	Rapeseed Oil; Adsorption and Desorption of the active Substance GAB Consulting GmbH, 21769 Lamstedt, Germany W. Neudorff GmbH KG Report-no. 105276-A2-070401-01 GLP: no published: no	yes	NEU
Wood, B.J.B.	IIA 7.1.1/08	1974	Fatty acids and saponifiable lipids. Botanical Monographs, 10, pp 236-265 Report-no. not applicable GLP: no published: yes	no	-
<b>Annex III Data and Information</b>					
Häusler, A.	IIIA 9.7/01	2005	CALCULATION OF PREDICTED ENVIRONMENTAL CONCENTRATIONS IN SURFACE WATER (PECSW) FOR RAPESEED OIL USING FOCUS_SW MODELLING SOFTWARE AND SCENARIOS GAB Consulting GmbH, Lamstedt, Germany W. Neudorff GmbH KG Report-no. 105276-A3-0907-01 GLP: no published: no	yes	NEU

**A.9 Ecotoxicology (IIA 8; IIIA 10)**

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection Claimed Y/N	Owner (1)
<b>Annex II Data and Information</b>					
Dengler, D.	IIA 8.4/01	2000	Testing of Toxic Effects of Rüböl / Rapsöl on the Single Cell Green Alga <i>Scenedesmus subspicatus</i> AG GAB Biotech/IFU, D-75223 Niefern-Öschelbronn W. Neudorff GmbH KG Report-no. 99505/01-AASs GLP: yes published: no	yes	NEU
Heintze, A.	IIA 8.2.1.1/01	2000a	Acute toxicity testing of Rüböl/Rapsöl in rainbow trout ( <i>Oncorhynchus mykiss</i> ) (Teleostei, Salmonidae) AG GAB Biotech/IFU, D-75223 Niefern-Öschelbronn W. Neudorff GmbH KG Report-no. 99505/01-AAOm GLP: yes published: no	yes	NEU
Heintze, A.	IIA 8.3.1.1/01	2000b	Assessment of Toxic Effects of Rüböl / Rapsöl on <i>Daphnia magna</i> using the 48 h Acute Immobilisation Test AG GAB Biotech/IFU, D-75223 Niefern-Öschelbronn W. Neudorff GmbH KG Report-no. 99505/01-AADm GLP: yes published: no	yes	NEU
<b>Annex III Data and Information</b>					
Fussell, S.	IIIA 10.5.2/02	2002	A rate-response extended laboratory test to determine the effects of Neu 1160 I on the parasitic wasp, <i>Aphidius rhopalosiphii</i> (Hymenoptera, Braconidae) Mambo-Tox Ltd., Southampton SO16 7PX, U.K. W. Neudorff GmbH KG Report-no. NEU-02-2 GLP: yes published: no	yes	NEU
Hertl, J.	IIIA 10.2.2.2/01	2002	Acute Toxicity of Neu 1160 I to <i>Daphnia magna</i> in a 48-hour Immobilization Test Institut für Biologische Analytik, Rossdorf Germany Neudorff GmbH KG Report-no. 12742220 GLP: yes published: no	yes	NEU

Author(s)	Annex point / reference number	Year	Title Source Company, Report No GLP or GEP status (where relevant), Published or not	Data Protectio n Claimed Y/N	Owner (1)
Rijcken, P.	IIIA 10.3.1.1/01	1996	Assessment of Acute Oral Toxicity with NEU 1161 I in the Rat  Neudorff GmbH KG Report-no. 170764 GLP: yes published: no	yes	NEU
Spatz, B.	IIIA 10.8.1.2/01	2001	Effects of Neu 1161 I on Terrestrial (Non-Target) Plants: Vegetative Vigour Test Institut für Biologische Analytik, Rossdorf, Germany W. Neudorff GmbH KG Report-no. 11841087 GLP: yes published: no	yes	NEU
Taruga, S.	IIIA 10.5.2/01	2002	A rate-response extended laboratory test to determine the effects of Neu 1160 I on the predatory mite, Typhlodromus pyri (Acari: Phytoseiidae) Mambo-Tox Ltd., Southampton SO16 7PX, U.K. W. Neudorff GmbH KG Report-no. NEU-02-3 GLP: yes published: no	yes	NEU
Wachter, S.	IIIA 10.6.2/01	1998a	Acute Toxicity of NEU 1161 I on Earthworms, Eisenia foetida Using an Artificial Soil Test GAB Biotechnologie GmbH, Niefern-Öschelbron W. Neudorff GmbH KG Report-no. 98028/01-NLEf GLP: yes published: no	yes	NEU
Wachter, S.	IIIA 10.7.1/01	1998b	Assessment of the Side Effects of NEU 1161 I on the Activity of the Soil Microflora GAB Biotechnologie GmbH, Niefern-Öschelbron W. Neudorff GmbH KG Report-no. 98028/01-ABMF GLP: yes published: no	yes	NEU