EUROPEAN COMMISSION
HEALTH & CONSUMER PROTECTION DIRECTORATE-GENERAL

Directorate E – Food safety: plant health, animal health and welfare, international questions
E1 - Plant health

Chlorpropham

SANCO/3041/99-Final

28 November 2003

Review report for the active substance **chlorpropham**

Finalised in the Standing Committee on the Food Chain and Animal Health at its meeting on **28 November 2003**
in view of the inclusion of chlorpropham in Annex I of Directive 91/414/EEC

1. Procedure followed for the re-evaluation process

This review report has been established as a result of the re-evaluation of chlorpropham, made in the context of the work programme for review of existing active substances provided for in Article 8(2) of Directive 91/414/EEC concerning the placing of plant protection products on the market, with a view to the possible inclusion of this substance in Annex I to the Directive.

Commission Regulation (EEC) No 3600/92([1]) laying down the detailed rules for the implementation of the first stage of the programme of work referred to in Article 8(2) of Council Directive 91/414/EEC, as last amended by Regulation (EC) No 2266/2000([2]), has laid down the detailed rules on the procedure according to which the re-evaluation has to be carried out. Chlorpropham is one of the 90 existing active substances covered by this Regulation.

In accordance with the provisions of Article 4 of Regulation (EEC) No 3600/92, Kemira Agro Benelux on 5 July 1993, Aceto Agricultural Chemicals Corp. on 19 July 1993, AgriChem on 15 July 1993, Elf Atochem on 26 July 1993 and B.V. Luxan Registration Department on 21 July 1993 notified to the Commission of their wish to secure the inclusion of the active substance chlorpropham in Annex I to the Directive.

In accordance with the provisions of Article 5 of Regulation (EEC) No 3600/92, the Commission, by its Regulation (EEC) No 933/94([3]), as last amended by Regulation (EC) No 2230/95([4]), designated The Netherlands as rapporteur Member State to carry out the assessment of chlorpropham on the basis of the dossiers submitted by the notifiers. In the same Regulation, the Commission specified furthermore the deadline for the notifiers with regard to the submission to the rapporteur Member States of the dossiers required under Article 6(2) of Regulation (EEC) No 3600/92, as well as for other parties with regard to further technical and scientific information; for chlorpropham this deadline was 30 April 1995.

[1] OJ No L 366, 15.12.1992, p.10.

[2] OJ No L 259, 13.10.2000, p.27.

[3] OJ No L 107, 28.04.1994, p.8.

[4] OJ No L 225, 22.09.1995, p.1.

B.V. Luxan Registration Department (now Luxan B.V.) and Aceto Agricultural Chemicals Corporation (UK) Ltd. submitted in time each a dossier to the rapporteur Member State which did not contain substantial data gaps, taking into account the supported uses. Therefore Luxan B.V. and Aceto Agricultural Chemicals Corporation (UK) Ltd. were considered to be the main data submitters.

In accordance with the provisions of Article 7(1) of Regulation (EEC) No 3600/92, The Netherlands submitted on 30 July 1999 to the Commission the report of their examination, hereafter referred to as the draft assessment report, including, as required, a recommendation concerning the possible inclusion of chlorpropham in Annex I to the Directive. Moreover, in accordance with the same provisions, the Commission and the Member States received also the summary dossier on chlorpropham from Luxan B.V. and Aceto Agricultural Chemicals Corporation (UK) Ltd., in December 1999.
In accordance with the provisions of Article 7(3) of Regulation (EEC) No 3600/92, the Commission forwarded for consultation the draft assessment report to all the Member States as well as to B.V. Luxan Registration Department and Aceto Agricultural Chemicals Corporation (UK) Ltd. being the main data submitters, on 20 September 1999.

The Commission organised an intensive consultation of technical experts from a certain number of Member States, to review the draft assessment report and the comments received thereon (peer review), in particular on each of the following disciplines:

- identity and physical /chemical properties ;
- fate and behaviour in the environment ;
- ecotoxicology ;
- mammalian toxicology ;
- residues and analytical methods ;
- regulatory questions.

The meetings for this consultation were organised on behalf of the Commission by the Pesticide Safety Directorate (PSD) in York, United Kingdom, from November 1999 to July 2000.

The report of the peer review (i.e. full report) was circulated, for further consultation, to Member States and the main data submitter on 15 June 2001 for comments and further clarification.

In accordance with the provisions of Article 7(3) of Regulation (EEC) No 3600/92, the dossier, the draft assessment report, the peer review report (i.e. full report) and the comments and clarifications on the remaining issues, received after the peer review were referred to the Standing Committee on the Food Chain and Animal Health, and specialised working groups of this Committee, for final examination, with participation of experts from the 15 Member States. This final examination took place from November 2002 to July 2003, and was finalised in the meeting of the Standing Committee on 28 November 2003.

The review did not reveal any open questions or concerns which would have required a consultation of the Scientific Committee on Plants.

The present review report contains the conclusions of the final examination; given the importance of the draft assessment report, the peer review report (i.e. full report) and the comments and clarifications submitted after the peer review as basic information for the final examination process, these documents are considered respectively as background documents A, B and C to this review report and are part of it.

2. Purposes of this review report

This review report, including the background documents and appendices thereto, has been developed and finalised in support of the Directive **2004/20/EC**[5] concerning the inclusion of chlorpropham in Annex I to Directive 91/414/EEC, and to assist the Member States in decisions on individual plant protection products containing chlorpropham they have to take in accordance with the provisions of that Directive, and in particular the provisions of article 4(1) and the uniform principles laid down in Annex VI.

This review report provides also for the evaluation required under Section A.2.(b) of the above mentioned uniform principles, as well as under several specific sections of part B of these principles. In these sections it is provided that Member States, in evaluating applications and granting authorisations, shall take into account the information concerning the active substance in Annex II of the directive, submitted for the purpose of inclusion of the active substance in Annex I, as well as the result of the evaluation of those data.

In accordance with the provisions of Article 7(6) of Regulation (EEC) No 3600/92, Member States will keep available or make available this review report for consultation by any interested parties or will make it available to them on their specific request. Moreover the Commission will send a copy of this review report (not including the background documents) to all operators having notified for this active substance under Article 4(1) of this Regulation.

The information in this review report is, at least partly, based on information which is confidential and/or protected under the provisions of Directive 91/414/EEC. It is therefore recommended that this review report would not be accepted to support any registration outside the context of Directive 91/414/EEC, e.g. in third countries, for which the applicant has not demonstrated to have regulatory access to the information on which this review report is based.

3. Overall conclusion in the context of Directive 91/414/EEC

The overall conclusion from the evaluation is that it may be expected that plant protection products containing chlorpropham will fulfil the safety requirements laid down in Article 5(1)(a) and (b) of Directive 91/414/EEC. This conclusion is however subject to compliance with the particular requirements in sections 4, 5, 6 and 7 of this report, as well as to the implementation of the provisions of Article 4(1) and the uniform principles laid down in Annex VI of Directive 91/414/EEC, for each chlorpropham containing plant protection product for which Member States will grant or review the authorisation.

Furthermore, these conclusions were reached within the framework of the uses which were proposed and supported by the main data submitter and mentioned in the list of uses supported by available data (attached as Appendix IV to this Review Report).

Extension of the use pattern beyond those described above will require an evaluation at Member State level in order to establish whether the proposed extensions of use can satisfy the requirements of Article 4(1) and of the uniform principles laid down in Annex VI of Directive 91/414/EEC.

With particular regard to residues, the review has established that the residues arising from the proposed uses, consequent on application consistent with good plant protection practice, have no harmful effects on human or animal health. The Theoretical Maximum Daily Intake (TMDI; excluding water and products of animal origin) for a 60 kg adult is 84 % of the Acceptable Daily Intake (ADI), based on the FAO/WHO European Diet (August 1994) and 134% (national Dutch diet, children). A more realistic calculation provided for an Estimated Maximum Daily Intake (EMDI) of 13% (European diet) and 30% (national Dutch diet, children) of the ADI.
Additional intake from water and products of animal origin are not expected to give rise to intake problems.

[5] OJ L 70, 9.3.2004, p. 32.

Estimates of acute dietary exposure of adults and toddlers revealed that the Acute Reference Dose (ARfD) would not be exceeded (European diet - 17 % or 76 % for respectively adults or children for consumption of unprocessed (baked) potatoes, 10% or 43% for adults or children for consumption of peeled and cooked potatoes).
The review has identified several acceptable exposure scenarios for operators, workers and bystanders, which require however to be confirmed for each plant protection product in accordance with the relevant sections of the above mentioned uniform principles.

The review has also concluded that under the proposed and supported conditions of use there are no unacceptable effects on the environment, as provided for in Article 4 (1) (b) (iv) and (v) of Directive 91/414/EEC, provided that certain conditions are taken into account as detailed in section 6 of this report.

4. Identity and Physical/chemical properties

The main identity and the physical/chemical properties of chlorpropham are given in Appendix I.

The active substance shall comply with the FAO specification and there seem not to be reasons for deviating from that specification; the FAO specification is given in Appendix I of this report.

The review has established that for the active substance notified by the main data submitter from B.V. Luxan Registration Department and Aceto Agricultural Chemicals Corporation (UK) Ltd. none of the manufacturing impurities considered are, on the basis of information currently available, of toxicological or environmental concern.

5. Endpoints and related information

In order to facilitate Member States, in granting or reviewing authorisations, to apply adequately the provisions of Article 4(1) of Directive 91/414/EEC and the uniform principles laid down in Annex VI of that Directive, the most important endpoints were identified during the re-evaluation process. These endpoints are listed in Appendix II.

6. Particular conditions to be taken into account on short term basis by Member States in relation to the granting of authorisations of plant protection products containing chlorpropham

On the basis of the proposed and supported uses (as listed in Appendix IV), the following particular issues have been identified as requiring particular and short term attention from all Member States, in the framework of any authorisations to be granted, varied or withdrawn, as appropriate:

- Member States should pay particular attention to the protection of non-target arthropods. Risk mitigation measures should be applied, where appropriate.

- Member States should pay particular attention to the protection of operators and consumers. Risk mitigation measures should be applied, where appropriate.

7. List of studies to be generated

No further studies were identified which were at this stage considered necessary in relation to the inclusion of chlorpropham in Annex I under the current inclusion conditions.

Some endpoints however may require the generation or submission of additional studies to be submitted to the Member States in order to ensure authorisations for use under certain conditions. This may particularly be the case for

- *estimation of operator and worker exposure after application of formulations other than hot fogging on potatoes*

8. Information on studies with claimed data protection

For information of any interested parties, Appendix III gives information about the studies for which the main data submitter has claimed data protection and which during the re-evaluation process were considered as essential with a view to annex I inclusion. This information is only given to facilitate the operation of the provisions of Article 13 of Directive 91/414/EEC in the Member States. It is based on the best information available to the Commission services at the time this review report was prepared; but it does not prejudice any rights or obligations of Member States or operators with regard to its uses in the implementation of the provisions of Article 13 of the Directive 91/414/EEC neither does it commit the Commission.

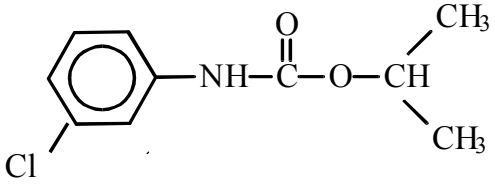
9. Updating of this review report

The technical information in this report may require to be updated from time to time in order to take account of technical and scientific developments as well as of the results of the examination of any information referred to the Commission in the framework of Articles 7, 10 or 11 of Directive 91/414/EEC. Such adaptations will be examined and finalised in the Standing Committee on the Food Chain and Animal Health, in connection with any amendment of the inclusion conditions for chlorpropham in Annex I of the Directive.

APPENDIX I

Identity, physical and chemical properties

CHLORPROPHAM

Common name (ISO)	Chlorpropham
Chemical name (IUPAC)	Isopropyl 3-chlorophenylcarbamate
Chemical name (CA)	1-Methylethyl (3-chlorophenyl)carbamate
CIPAC No	43
CAS No	101-21-3
EEC No	202-925-7
FAO SPECIFICATION	AGP:CP73 / 1977 Minimum: 95.0 % 3-chloroaniline: maximum: 0.025 %
Minimum purity	975 g/kg
Molecular formula	$C_{10}H_{12}ClNO_2$
Molecular mass	213.7
Structural formula	

Melting point	36-49 ^{0}C : purity > 98%
Boiling point	256-258 ^{0}C : purity > 98%
Appearance	Light brown crystallised solid
Relative density	1.29 : purity > 98%
Vapour pressure	2.4 x 10^{-2} Pa at 20 ^{0}C : purity 98%
Henry's law constant	0.047 Pa m^3 /mol at 20 ^{0}C
Solubility in water	pH_4 : 112 mg/L at 20 °C pH_7 : 110 mg/L at 20 °C pH_10 : 112 mg/L at 20 °C
Solubility in organic solvents	> 1000 g/L at room temperature for: heptane, xylene, dichloromethane, acetone, ethyl acetate and methanol
Partition co-efficient (log P_{ow})	pH_4: log P_{ow} = 3.79 at 20 °C pH_7: log P_{ow} = 3.76 at 20 °C pH_9: log P_{ow} = 3.83 at 20 °C
Hydrolytic stability (DT_{50})	pH_4 : >1 year at 20 °C pH_7 : >1 year at 20 °C pH_9 : >1 year at 20 °C
Dissociation constant	No dissociation
Quantum yield of direct photo-transformation in water at λ >290 nm	ϕ = 0.135
Flammability	Not highly flammable
Explosive properties	Not explosive
UV/VIS absorption (max.)	239, 279 and 286 nm Log mol. abs. coeff. at 279 = 3.06
Photostability in water (DT_{50})	Half-life of 83.3 days, based on yearly mean sunshine in central Europe.

APPENDIX II

END POINTS AND RELATED INFORMATION

CHLORPROPHAM

1 Toxicology and metabolism

Absorption, distribution, excretion and metabolism in mammals

Rate and extent of absorption:	Approximately 90% within 24 h after oral exposure
Distribution:	Widely distributed, including brain
Potential for accumulation:	No evidence for accumulation
Rate and extent of excretion:	85-97% within 24 h, in urine, faeces and expired air
Toxicologically significant compounds:	Mammals: chlorpropham & chloroanilines
Metabolism in animals:	Extensive metabolism in the rat Three major metabolic pathways were proposed: 4-hydroxylation and conjugation; oxidation of the isopropyl chain; decarbanilation with formation of 3-chloro-aniline.

Acute toxicity

Rat LD_{50} oral:	4200 mg/kg bw
Rat LD_{50} dermal:	>2000 mg/kg bw
Rat LC_{50} inhalation:	>0.5 mg/l (4h, nose-only, aerosol)
Skin irritation:	Not irritant
Eye irritation:	Not irritant
Skin sensitization (test method used and result):	Non sensitizing (several methods combined)

Short term toxicity

Target / critical effect:	Red blood cell parameters in rats and dogs, thyroid in dogs
Lowest relevant oral NOAEL / NOEL:	5 mg/kg bw/d (60 week dog)
Lowest relevant dermal NOAEL / NOEL:	30 mg/kg bw/d NOAEL for irritant and systemic effects (28-day rat)
Lowest relevant inhalation NOAEL / NOEL:	No study available

Genotoxicity	Weight of evidence suggests no genotoxic concern

Long term toxicity and carcinogenicity

Target / critical effect:	Red blood cells, liver, spleen, bone-marrow

Lowest relevant NOAEL:	LOAEL 33 mg/kg bw/d (78 week CD1 mouse) LOAEL 24 mg/kg bw/d (two year Wistar rat)
Carcinogenicity:	Leydig cell tumours at high dose level in rats (1000 mg/kg bw/d)

Reproductive toxicity

Target / critical effect - Reproduction:	Decreased pup weight at maternally toxic doses in rats
Lowest relevant reproductive NOAEL / NOEL:	200 mg/kg bw/d (3000 ppm)
Target / critical effect - Developmental toxicity:	Post-implantation loss, decreased fetal weight, minor skeletal variations and retardations at maternally toxic doses.
Lowest relevant developmental NOAEL / NOEL:	125 mg/kg bw/d (rabbit)

Delayed neurotoxicity	No significant effects (FOB and brain cholinesterase activity investigated in the rat)
Other toxicological studies	None submitted
Medical data	No adverse health effects reported in manufacturing plant personnel

Summary

	Value	Study	Safety factor
ADI:	0.05 mg/kg bw	60-week dog	100
AOEL systemic:	0.05 mg/kg bw/d	28-day range finding and 60-week dog	100
AOEL inhalation:	Not relevant because the risk assessment is based on the total systemic exposure		
AOEL dermal:	Not relevant because the risk assessment is based on the total systemic exposure		
ARfD (acute reference dose):	0.50 mg/kg bw	90-day dog, MetHb formation and acute toxicity study dog, clinical signs	100

Dermal absorption	34% (dilution) an 19% (concentrate) based on *in vivo* rat and *in vitro* rat/human data

2 Fate and behaviour in the environment

2.1 Fate and behaviour in soil

Route of degradation

Aerobic:

Mineralization after 100 days:	15-30% (200 days)
Non-extractable residues after 100 days:	54-78%
Major metabolites above 10 % of applied active substance: name and/or code % of applied rate (range and maximum)	none

Supplemental studies

Anaerobic:	Not required
Soil photolysis:	Not required
Remarks:	none

Rate of degradation

Laboratory studies

DT_{50}lab (20 °C, aerobic):	DT_{50}lab (20°C, aerobic): 22 and 27 days (r^2>0.7)
DT_{90}lab (20 °C, aerobic):	DT_{90}lab (20°C, aerobic): 73 and 90 days (extrapolated from DT_{50}lab)
DT_{50}lab (10 °C, aerobic):	DT_{50}lab (10°C, aerobic): not available; 55 days derived by calculation from mean DT_{50}lab (20 ˚C, aerobic)
DT_{50}lab (20 °C, anaerobic):	DT_{50}lab (20°C, anaerobic): not available

Field studies (country or region)

DT_{50f} from soil dissipation studies:	DT_{50}field: not required
DT_{90f} from soil dissipation studies:	DT_{90}field: not required
Soil accumulation studies:	Not required
Soil residue studies:	Not required

Remarks: e.g. effect of soil pH on degradation rate	none

Adsorption/desorption

K_f / K_{oc}:	K_{oc} 260, 280, 480 L/kg
K_d:	K_f 4.02, 4.75, 6.45 L/kg
pH dependence:	no

Mobility

Laboratory studies:

Column leaching:	K_{oc} 110, 220 L/kg; K_f 1.1, 1.2 L/kg.
Aged residue leaching:	35 days, leachate contained 0.2 and 2.7% r.a., not chlorpropham nor 3-chloroaniline.

Field studies:

Lysimeter/Field leaching studies:	Not required

Remarks:	none

2.2 Fate and behaviour in water

Abiotic degradation

Hydrolytic degradation:	pH_4 : >1 year at 20 °C pH_7 : >1 year at 20 °C pH_9 : >1 year at 20 °C (see Physico-chemical properties)
Major metabolites:	none
Photolytic degradation:	Photolysis of chlorpropham is not an important route in the environment. Quantum yield ϕ was found to be 0.135. DT_{50}field 47-83 days, non-validated method
Major metabolites:	none

Biological degradation

Readily biodegradable:	yes
Water/sediment study:	
DT_{50} water:	loam 2: 18.5 d (9 dupl. time points; r^2 0.939) loam 3: 10.2 d (6 dupl. time points, 1 single; r^2 0.936) silt loam: 21.2 d (10 single time points; r^2 0.990) nd: 20.8 d (10 single time points; r^2 0.994) average: 18 d loam 2: regression coefficient too low loam 3: 18.7 d (7 dupl. time points; r^2 0.941) silt loam: 54.9 d (6 single time points; r^2 0.939) nd: 44.2 d (6 single time points; r^2 0.971) average: 39 d
DT_{90} water:	(extrapolated from DT_{50} value assuming first order exponential decay: $3.3 \cdot DT_{50}$) loam 2: 61 d loam 3: 34 d silt loam: 70 d nd: 69 d average: 59 d (extrapolated from DT_{50} value assuming first order exponential decay: $3.3 \cdot DT_{50}$) loam 3: 62 d silt loam: 181 d sand: 146 d average: 130 d loam 1: 48 d (4 time points, r^2 0.996)

DT_{50} whole system:	loamy sand: 50 d (4 time points, r^2 0.97) loam 2: 77.0 d (8 dupl. time points; r^2 0.869) loam 3: 19.3 d (9 dupl. time points, r^2 0.945) silt loam: 38.0 d (10 single time points; r^2 0.980) sand: 31.8 d (10 single time points; r^2 0.987) average: 44 d
DT_{90} whole system:	(extrapolated from DT_{50} value assuming first order exponential decay: $3.3 \cdot DT_{50}$) loam 1: 158 d (4 time points, r^2 0.996) loamy sand: 165 d (4 time points, r^2 0.97) loam 2: 254 d (8 dupl. time points; r^2 0.869) loam 3: 63 d (9 dupl. time points, r^2 0.945) silt loam: 125 d (10 single time points; r^2 0.980) sand: 106 d (10 single time points; r^2 0.987) average: 145 d
Distribution in water / sediment systems (active substance):	dissipation of chlorpropham from the systems is dominated by degradation in the water and sediment phase. loam 1: max. 30% after 12 w loamy sand: not reported loam 2: max. 64.0% after 14 d loam 3: max. 51.9% after 7 d silt loam: max. 31.2% after 14 d sand: max. 24.9 after 14 d
Distribution in water / sediment systems (metabolites)	no metabolites in amounts >10% of AR 3-chloroaniline max. 9.9% after 42 d in sediment (only 1 system)
Accumulation in water and/or sediment:	Not required

Degradation in the saturated zone	Not required
Remarks:	none

2.3 Fate and behaviour in air

Volatility

Vapour pressure:	2.4 x 10^{-2} Pa at 20 ^{0}C : purity 98%
Henry's law constant:	0.047 Pa m^3 /mol at 20 ^{0}C

Photolytic degradation

Direct photolysis in air:	Not required
Photochemical oxidative degradation in air DT_{50}:	DT_{50}: 3.84 h (Atkinson calculation); 0.32 d (12 h day; 1.5E6 OH/cm^3)
Volatilisation:	P = 0.024 Pa at 20°C; H = 0.047 Pa.m^3.mol^{-1}. Classified as moderately volatile.
	from plant surfaces: not required
	from soil: not required
	from water: Quantum yield ϕ was found to be 0.135. DT_{50}field 47 days (based on irradiance for May) and 83 days (yearly mean spectral), non-validated method
Remarks:	none

3 Ecotoxicology

Terrestrial Vertebrates

Acute toxicity to mammals:	LD_{50} 4200 mg/kg bw
Acute toxicity to birds:	LD_{50} >2000 mg/kg bw
Dietary toxicity to birds:	LC_{50} >5170 mg/kg fd
Reproductive toxicity to birds:	NOEC ≥1000 mg/kg fd
Long term toxicity to mammals:	NOAEL 1000 mg/kg fd

Aquatic Organisms

	Species	Time scale	Toxicity (mg/ l)	Endpoint
Acute toxicity fish:	*O. mykiss*	96 h	7.5	mortality, LC_{50}
	Cyprinus carpio	96 h	5.3	mortality, LC_{50}
Long term toxicity fish:	*Brachydanio rerio*	34 d	0.32	ELS, NOEC
Bioconcentration factor (BCF)	144 L/kg wwt			
Acute toxicity invertebrate:	Daphnia magna	48 h	4.0	immobility, EC_{50}
	Daphnia magna	48 h	2.6	immobility, EC_{50}
Chronic toxicity invertebrate:	*Daphnia magna*	21 d	1.0	survival F0; reproduction, growth F1, NOEC
Acute toxicity algae:	*Navicula pelliculosa*	96 h	1.0	biomass, E_bC_{50}
	Selenastrum capricornutum	96 h	1.1	biomass, E_bC_{50}
Chronic toxicity sediment dwelling organism:	Not required			
Acute toxicity aquatic plants:	*Lemna minor*	7 d	1.67	biomass, E_bC_{50}

Honeybees

Acute oral toxicity:	466 µg/bee
Acute contact toxicity:	89 µg/bee

Other arthropod species

Test species	Dose	Stage	% Effects / Endpoints
T. pyri	4.8	Protonymphs, glass	100 / mortality
T. pyri	0.19, 0.34, 0.60, 1.12, 2.00, 3.56	Protonymphs, glass	- / 7-days LR_{50}: 0.328 kg as/ha
C. carnea	4.8	larvae, glass	88 / mortality
A. rhopalosiphi	0.4-4.8	adults, glass	100 / mortality
A. rhopalosiphi	4.8	adults, glass	100 / mortality
A. rhopalosiphi	4.8	adults, plants	100 / mortality
A. rhopalosiphi	0.034, 0.061, 0.109, 0.196, 0.353	Adults, glass	- / 48 h LR_{50}: 0.112 kg as/ha
P. cupreus	4.8	adults, sand	70 35 / mortality consumption

Earthworms

Acute toxicity:	LC_{50} 132 mg/kg dry soil (10% OM) equivalent to 66 mg/kg for a standard agricultural soil with 5% OM, which is used for risk assessment
Reproductive toxicity:	not available, but not considered necessary

Soil micro-organisms

Nitrogen mineralization:	<25% effect after 100 days (16% reduction after 90 days
Carbon mineralization:	<25% effect after 100 days at field use rate

APPENDIX IIIA

CHLORPROPHAM

List of studies for which the main submitter has claimed data protection and which during the re-evaluation process were considered as essential for the evaluation with a view to Annex I inclusion.

B.1 Identity, B.2 Physical and chemical properties, B.3 Data on application and further information, B.4 Proposals for classification and labelling, B.5 Methods of analysis

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 1.11	Calierno	1998	2 Batch analysis of chlorpropham according to EEC counsil directive 93/71/EEC article 1.9 to 1.11 Sponsor Luxan B.V. Company file: TO 825 Date: 11-01-1998 GLP, Unpublished	
IIA 1.11	Craig	1998	5 Batch analysis of chlorpropham according to EEC counsil directive 93/71/EEC article 1.9 to 1.11. M-Chloroaniline content Sponsor Luxan B.V. Company file: TO 852 Date: 03-09-1998 GLP, Unpublished	
IIA 2.1/02	Krips, H.J.	1995b	Determination of the Boiling Temperature of Chlorpropham. Company file No.: CP/FC/0004, TO 894 Sponsor: Luxan B.V. Date of report: 13 April 1995 GLP, Unpublished Submitted by Luxan B.V.	

[6] Entries are based on information received from the Notifier(s) and in certain cases Member States. Neither the Commission nor the Member States are responsible for the completeness or validity of this information received.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.1, 2.4	Wojcieck, B.C.	1993	Chlorpropham - Color, Physical state, Odor, Melting point, pH, oxidation-reduction, impact, explodability. Company file No.: UPL/EC/REG/CIPC/A2/2/039 Sponsor:USA CIPC Task Force Date: March 10, 1993 Not GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 2.3/01	Krips, H.J.	1995d	Determination of the Vapour Pressure of Chlorpropham. Company file No.: CP/FC/0006 + TO 887 Sponsor: Luxan B.V. Date of report: 26 April 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.3/02	Leeijen, N.M.A.	1995a	Determination of the Density of Chlorpropham. Company file No.: CP/FC/0005 + TO 889 Sponsor: Luxan B.V. Date of report: 28 March 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.4/01	Krips, H.J.	1995c	Determination of Appearance of Chlorpropham. Company file No.: CP/FC/0007 + TO 888 Sponsor: Luxan B.V. Date of report: 6 April 1995 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.4/02	Sweetaplle, G.G.	1993	Report amendment to Chlorpropham - Color, Physical state, Odor, Melting point, density, pH, oxidation-reduction, impact, explodability. Company file No.: UPL/EC/REG/CIPC/A2/2/040 Sponsor: USA CIPC Task Force Date: March 15, 1993 Not GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 2.5/01	Krips, H.J.	1995e	Determination of the IR Absorption Spectrum of Chlorpropham. Company file No.: CP/FC/0008 + TO 893 Sponsor: Luxan B.V. Date of report: 13 April 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.5/02	Krips, H.J.	1995f	Determination of the 1H NMR Spectrum of Chlorpropham. Company file No.: CP/FC/0009 + TO 892 Sponsor: Luxan B.V. Date of report: 10 April 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.5/03	Leeijen, N.M.A.	1995b	Determination of the UV-VIS Absorption Spectra of Chlorpropham. Company file No.: CP/FC/0010 + TO 886 Sponsor: Luxan B.V. Date of report: 28 March 1995 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.5/05	Krips, H.J.	1995a	Determination of the Mass spectrum of Chlorpropham (an.st.). Company file No.: UPL/EC/REG/CIPC/A2/2.5.1/089 Sponsor: United Phosphorous Ltd Date: June 15, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.5/06	Krips, H.J.	1995b	Determination of the 1H NMR spectrum of Chlorpropham (an.st.). Company file No.: UPL/EC/REG/CIPC/A2/2.5.1/089 Sponsor: United Phosphorous Ltd Date: July 12, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.5	Krips, H.J.	1995	Determination of the mass spectrum of chlorpropham Notox Sponsor Luxan B.V. Company file: TO 880 Report date: 31 May 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.5/07	Krips, H.J.	1995c	Determination of the IR absorption spectrum of Chlorpropham (an.st.). Company file No.: UPL/EC/REG/CIPC/A2/2.5.1/089 Sponsor: United Phosphorous Ltd Date: July 19, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.5/08	Vogels, M.P.W.	1995	Determination of the UV/Vis absorption spectra of Chlorpropham (an.st.). Company file No.: UPL/EC/REG/CIPC/A2/2.5.1/089 Sponsor: United Phosphorous Ltd Date: July 21, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.6/01	Thijssen, W.H.J.M.	1995a	Determination of the Water Solubility of Chlorpropham at 3 pH Values. Company file No.: CP/FC/0001 + TO 884 Sponsor: Luxan B.V. Date of report: 9 March 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.7/01	Vogels, M.P.W.	1995	Determination of the Solubility of Chlorpropham of 6 Organic Solvents. Sponsor: Luxan B.V. Company file No.: CP/FC/0018 + TO 881 Date of report: 5 April 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.7/02	Leeijen, N.M.A.	1995	Determination of the solubility of Chlorpropham in organic solvents. Company file No.: UPL/EC/REG/CIPC/A2/2.7/090 Sponsor: United Phosphorous Ltd Date: July 12, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.7/03	Lorence, P.J.	1995b	Chlorpropham – Solubility. Company file No.: UPL/EC/REG/CIPC/A2/2/035 Sponsor USA CIPC Task Force Date: April 28, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 2.8/01	Thijssen, W.H.J.M.	1995b	Determination of the Partition Coefficient (N-Octanol/Water) of Chlorpropham (Flask-Shaking Method) at 3 pH Values. Company file No.: CP/FC/0016 + TO 883 Sponsor Luxan B.V. Date of report: 27 March 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.8/02	Lorence, P.J.	1995c	Chlorpropham - octanol/water partition coefficient. Company file No.: UPL/EC/REG/CIPC/A2/2.8/038 Sponsor USA CIPC Task Force Date: April 28, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 2.9.2	Schneider,E	1996	Chlorpropham, direct Phototransformation in water Krebs Analytic Sponsor: Luxan B.V. Company file: TO 672 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.9/02	Thijssen, W.H.J.M.	1995c	Determination of the Hydrolysis of Chlorpropham as a function of pH. Company file No: TO 882 Sponsor: Luxan B.V. Date of report: 09-03-1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.9/03	Vries de, R.	1995a	Estimation of the Dissociation Constant of Chlorpropham. Company file No.: not allocated Sponsor: Luxan B.V. Date of report: 4 April 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.9/04	Vries de, R.	1995b	Estimation of the Photochemical-Oxidative Degradation of Chlorpropham in the Atmosphere. Company file No.: TO897 Sponsor: Luxan B.V. Date of report: 28 March 1995 Not GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.9/05	Vries de, R.	1996	Estimation of the Photochemical-Oxidative Degradation of Chlorpropham technical in the Atmosphere. Company file No.: TO 692 Sponsor: Luxan B.V. Date of report: 28-02-96 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.9/06	Balkom van, C.A.A.	1995	Determination of the hydrolysis of Chlorpropham (an.st.) as a function of pH. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.9.1/091 Date: June 21, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.9/08	Hambrick, A.A.	1993	Chlorpropham - dissociation constant. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.9.4/092 Date: March 9, 1993 Not GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.10/01	Malone, S.D.	1993	Chlorpropham-Stability. Company file No.: UPL/EC/REG/CIPC/A2/2/034 Sponsor USA CIPC Task Force Date: April 16, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 2.11/01	Krips, H.J.	1995g	Determination of the Flammability of Chlorpropham. Company file No.: CP/FC/0012 + TO 891 Sponsor: Luxan B.V. Date of report: 3 April 1995 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.11/02	Krips, H.J.	1995h	Determination of the Auto-Ignition Temperature (Liquids) of Chlorpropham. Company file No.: CP/FC/0013 + TO 890 Sponsor: Luxan B.V. Date of report: 13 April 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.11/03	Krips, H.J.	1995d	Determination of the flammability, Chlorpropham. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.11.1/094 Date: July 18, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.12/01	Krips H.J.	1995e	Determination of the flash-point of Chlorpropham. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.12/096 Date: July 18, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.13/01	Helvoirt, J.A.M.W.	1995a	Expert Statement on the Explosive Properties of Chlorpropham. Company file No.: CP/FC/0014 + TO 878 Sponsor: Luxan B.V. Date of report: 23 February 1995 Not GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.13/02	Helvoirt van, J.A.M.W.	1995a	Expert statement on the explosive properties of Chlorpropham. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.13/097 Date: July 7, 1995 Not GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.14/01	Leeijen, N.M.A.	1995c	Determination of the Surface Tension of an Aqueous Solution of Chlorpropham. Company file No.: CP/FC/0015 + TO 885 Sponsor: Luxan B.V. Date of report: 28 March 1995 GLP, Unpublished Submitted by Luxan B.V.	
IIA 2.14/03	Krips H.J.	1995f	Determination of the surface tension of an aqueous solution of Chlorpropham. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.14/098 Date: July 18, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 2.15/01	Helvoirt, J.A.M.W.	1995b	Expert Statement on the Oxidising Properties of Chlorpropham. Company file No.: TO 879 Sponsor: Luxan B.V. Date of report: 24 April 1995 Not GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 2.15/02	Helvoirt van, J.A.M.W.	1995b	Expert statement on the oxidizing properties of Chlorpropham. Sponsor: United Phosphorous Ltd Company file No.: UPL/EC/REG/CIPC/A2/2.15/099 Date: July 7, 1995 Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 3.7	Parker,S	2001	CIPC residues in spray tanks following rinsing Report number CR/012949 Sponsors: Aceto Agricultural Chemicals Corporation and Luxan B.V. Company file no(Luxan B.V): TO 1086 Date of report: December 2001 Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA 4.1/01	Luomaranta, J.	1992	Determination of impurities of Chlorpropham by GC and HPLC. Sponsor Luxan B.V. Company file No.: Not allocated Date of report:September 3, 1992 Not GLP, Unpublished Submitted by Luxan B.V.	
IIA 4.1/02	Thijssen, W.H.J.M.	1995	Development and validation of an analytical method for Chlorpropham. Sponsor Luxan B.V. Company file no: TO 773 Date of report: March 9, 1995 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 4.2.1/04	Walker, G., Goodrick, B., Haws R., Möller G	1993	Addendum 1 to final report (MRID Nn; 42123101) Analytical Method for magnitude of residues in stored potatoes from postharvest treatments of chlorpropham. Sponsor: USA CIPC Task Force .Report/file N°: UPL/EC/REG/CIPC/A2/6/037 Date of report: January 26, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 4.2.1/09	van der Meer-van den Brink C.K.	1997	Determination of residues of chlorpropham in potatoes. Sponsor: Luxan B.V Report/file N°: TNO V.97.666 Date of report: October 9, 1997 GLP, Unpublished Submitted by Luxan B.V.	
IIA 4.2.2/01	Schneider, E.	1996a	Chlorpropham. Validation of an analytical method for determination in soil with a determination limit of 50 µg/kg. Monitoring method. Sponsor: Luxan B.V. Report/file N°: TO-708 Date of report: 30--05-1996 GLP, Unpublished Submitted by Luxan B.V.	
IIA 4.2.3/01	Brielbeck, B. & Marx, D.	1997	Validation of the analytical Method for the Determination of Chlorpropham in Drinking Water. Sponsor: Chimac-Agriphar S.A. Report/file N°: AB 95395-GM-002B Date of report: 09-09-1997 GLP, Unpublished *Submitted on behalf of Aceto Agricultural Chemicals Corporation*	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 4.2.4/01	Mörtl, S. & Class, T.	1998	Development and validation of an analytical method for the determination of chlorpropham in air. Sponsor:: Chimac-Agriphar S.A. Report/file N°: P266G Date of report: 23-04-1998 GLP, Unpublished *Submitted on behalf of Aceto Agricultural Chemicals Corporation*	Y
IIA 4.2.4/02	Schneider, E.	1996b	Chlorpropham. Validation of an analytical method for determination in air. Sponsor: Luxan B.V. Report/file N°: TO-707 Date of report: 30--05-1996 *GLP, Unpublished* Submitted by Luxan B.V.	
IIA 4.2.1/05	Bogges K.E.	1993	Validation of a method for the determination of chlorpropham (CIPC) and other target analytes from potato matrices. Sponsor: USA CIPC task Force Date of report: March 15, 1993 GLP, Unpublished *Submitted by Aceto Agricultural Chemicals Corporation*	
IIA 4.2.1/06	Bogges K.E.	1994	Validation of a method for the determination of chlorpropham (CIPC) from whole potatoes. Sponsor: USA CIPC Task Force Report/file N°: UPL/EC/REG/CIPC/A2/4/036 Date of report: February 22, 1994 GLP, Unpublished *Submitted by Aceto Agricultural Chemicals Corporation*	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 4.2.1/07	Goodrick, B., Haakenson K., Titus K., Möller G.	1994	Addendum 2 to final report: Analytical Method for magnitude of residues in stored potatoes from postharvest treatments of chlorpropham. Sponsor: USA CIPC Task Force .Report/file N°: UPL/EC/REG/CIPC/A2/6/037 Date of report: November 2, 1994 GLP, Unpublished *Submitted by Aceto Agricultural Chemicals Corporation*	
IIA 4.2.1/08	Melkebeke T.	1993	Implementation and validation of an analytical method for chlorpropham. Sponsor: Luxan B.V. Report/file N°: TD-504 Date of report: 1993 *GLP, Unpublished* Submitted by Luxan B.V.	
IIA 4.2.5/01	Daun R.J.	1995	Determination and validation of a method for the determination of chlorpropham and 4'-hydroxychlor-propham-*o*-sulphonic acid in milk and tissues of lactating dairy cows. Sponsor USA CIPC Task Force Report/file N°:CHW 6607-100 Date of report: May 30, 1995 Not GLP, Unpublished *Submitted by Aceto Agricultural Chemicals Corporation*	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA 4.2.5/02	Daun R.J.	1995	Determination and validation of a method for the determination of chlorpropham and 4'-hydroxychlor-propham-*o*-sulphonic acid in milk and tissues of lactating dairy cows. Addendum No. 1 to the final report. Sponsor:: USA CIPC Task Force Report/file N°:CHW 6607-100 Date of report: May 30, 1995 Not GLP, Unpublished *Submitted by Aceto Agricultural Chemicals Corporation*	
IIA 4.2.5/03	Daun R.J.	1996	Validation of a method for the determination of chlorpropham and 4'-hydroxychlor-propham-*o*-sulphonic acid in milk and tissues of lactating dairy cows. Sponsor: USA CIPC Task Force Report/file N°:CHW 6607-102 Date of report: 1996 Not GLP, Unpublished *Submitted by Aceto Agricultural Chemicals Corporation*	
IIA 4.1/06	Lightbody,S.M., Macdonald, E.	2000	Preliminary analysis, certified Limits and Methods to Verify Certified Limits for Chlorpropham. Inveresk Date: 25 August 2000. GLP, Unpublished Sponsor:Aceto Agricultural Chemicals Corporation Submitted by: Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
IIA, 4.2.2	Meeuwsen, M.C.T.J.	2001a	Interlaboratory verification trial for the analytical method known as "Chlorpropham: validation of analytical method for determination in soil with a determination limit of 50 µg/kg" TNO Nutrition and Food Research, Sponsor: Luxan B.V. Report Number V3460 Date: 5 December 2001 Company file: TO 1016 LUXAN GLP, Unpublished Submitted by Luxan B.V.	
IIA, 4.2.2	Brielbeck, B., Marx, D.	1999	Validation of the analytical method of chlorpropham in sewage plant sludge Stähler Agrochemie GmbH, Sponsor:Chimac Agriphar and Luxan B.V. Report number AB 95395-GM-002G Date: 26 July 1999 Company file: (TO 942 LUXAN) GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA 4.2.3	Otterdijk, F.M.	2003	Independent laboratory validation of the determination of chlorpropham in water Sponsor: Luxan B.V. Date of report: 7 March 2003 GLP, unpublished Company file no: TO 1195 Submitted by Luxan B.V.	
IIA, 4.2.3	Meeuwsen, M.C.T.J.	2001b	Validation of the determination of chlorpropham in water. TNO Nutrition and Food Research, Sponsor: Luxan B.V. Report Number V2800 Date: 9 April 2001 Company file: TO 1014 LUXAN GLP, Unpublished Submitted by Luxan B.V.	
IIA 4.2.5/03	Meeuwsen, M.C.T.J.	2001	Validation of the determination of chlorpropham and 4-HSA in whole milk, TNO report V 3272/02. Sponsor: Luxan B.V. Company file no: 010.51167 + TO 1018	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports[6] on previous use in granting national authorizations
			Date: 26 July 2001 LUXAN GLP, Unpublished Submitted by Luxan B.V.	
IIA 4.2.5/04	Meeuwsen, M.C.T.J. and Mol, J.G.J.	2001	Validation of the determination of chlorpropham and 4-HSA in animal tissues ,TNO report V 3272/03. Sponsor Luxan B.V. Company file no: 010.51167 + TO 1018 Date: 26 July 2001 GLP, Unpublished Submitted by Luxan B.V.	
IIA 4.2.5/05	Wagner, S	1998	Validation of an analytical method for the determination of chlorpropham in animal foodstuffs Biochem, report No 985012087. Sponsor Luxan B.V. Company file: TO 853 LUXAN Date: September 14, 1998 GLP, Unpublished Submitted by Luxan B.V.	

B.6 Toxicology and metabolism

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 5.5/07	Botta, J.A.	1992	18 Month Oncogenicity Evaluation of Chlorpropham in the Mouse. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.5/067 Date of report: October 1992 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 5.5/08	Botta, J.A.	1993	24 Month Combined Oncogenicity/Toxicity Evaluation of Chlorpropham in Rats. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.5/065 Date of report: April 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.6.2/02	James, P. et al.	1983	A study of the effect of CIPC on pregnancy of the rabbit. Sponsor PPG Industries, Barberton, Ohio Company file No.: UPL/EC/REG/CIPC/A2/5.6.2/075 Date of report: March 8, 1983 GLP, Unpublished Submitted on behalf of AcetoAgricultural Chemicals Corporation	
IIA 5.2.1/02	Krohmer, R.W.	1990a	Acute Oral Toxicity Evaluation of Chlorpropham in Rats. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.2.1/056 Date of report: April 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.2.1	Pels Rijcken	1996	Assessment of acute oral toxicity in the rat Sponsor Luxan B.V. Company file: TO 664 Date report:26-01-1996 GLP, Unpublished Submitted by Luxan B.V.	
IIA 5.2.2	Pels Rijcken	1996	Assessment of acute dermal toxicity in the rat Sponsor Luxan B.V. Company file: TO 665 Date of report: 1996	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
			GLP, Unpublished Submitted by Luxan B.V.	
IIA 5.2.2	Van de Sandt	2001	In vitro percutaneous penetration study with [ring U-14 C] chlorpropham through rat and human epidermal membranes Sponsor Luxan B.V. and Aceto Agricultural Chemicals Corporation Company file: TO 1012 Date of report: 09-04-2001 GLP, Unpublished Submitted by Luxan B.V. and Aceto Agricultural Chemicals Corporation	
IIA 5.6.2.2	Waalkens-Berendsen	1998	Oral embryotoxicity/teratogenicity study with chlorpropham technical in New Zealand white rabbits Sponsor Luxan B.V. Company file: TO 832 Date of report: 29-06-1998 GLP, Unpublished Submitted by Luxan B.V.	
IIA 5.2.2/01	Krohmer, R.W.	1990b	Acute Dermal Toxicity Evaluation of Chlorpropham in rabbits. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.2.2/057 Date of report: February 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.2.4/01	Krohmer, R.W.	1990c	Primary Dermal Irritation Evaluation of Chlorpropham in rabbits. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.2.4/059 Date of report: February 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.2.5	Pels Rijcken	1996	Acute eye irritation/corrosion study	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
			in the rabbit Sponsor Luxan B.V. Company file: TO 667 Date of report: 26-01-1996 GLP, Unpublished Submitted by Luxan B.V.	
IIA 5.2.5/01	Krohmer, R.W.	1990d	Primary Ocular Irritation Evaluation of Chlorpropham in rabbits. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.2.5/058 Date of report: February 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.2.6/01	Krohmer, R.W.	1990e	Evaluation of the Dermal Sensitization Potential of Chlorpropham in Guinea Pigs. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.2.6/060 Date of report: April 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.3.1	Schoenmakers	1998	Subacute 28-day oral toxicity study with chlorpropham by dietary administration in the rat Sponsor Luxan B.V. Company file: TO 816 Date of report: 19-03-1998 GLP,Unpublished Submitted by Luxan B.V.	
IIA 5.3.2	Schoenmakers, A.C.M	1998	Subchronic 90 day oral toxicity with chlorpropham technical by dietary administration in the rat Sponsor Luxan B.V. Date of report: 29-05-1998 Company file: TO 824 GLP, Unpublished Submitted by Luxan B.V.	
IIA 5.3.3	Schoenmakers	1998	14 day range finding oral toxicity study with chlorpropham technical	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
			in the dog Sponsor Luxan B.V. Company file: TO 817 Date of report:19-03-1998 GLP, Unpublished Submitted by Luxan B.V.	
IIA 5.3.3	Schoenmakers, A.C.M.	1998	Subchronic 90 day oral toxicity study with chlorpropham technical in the dog Sponsor Luxan B.V. Company file:TO 867 Date of report: 21-10-1998 GLP, Unpublished Submitted by Luxan B.V.	Y
IIA 5.10	Weterings, J.J.M.	2001	Expert statement-acetylcholinesterase inhibition, methaemaglobin formation Company file no: TO 1068 Date of report: 10 December 2001 Sponsors Luxan BV and Aceto Agricultural Chemicals Corporation Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	
IIA 510	Warren,S	2003	Chlorpropham: revised proposal for an acute RFD Based on new data Company file no: TO 1230 Date of report: 11July 2003 Sponsors: Aceto Agricultural Chemicals Corporation and Luxan BV Submitted by Aceto Agricultural Chemicals Corporation and Luxan BV	
11A4.3		2001	Worker Health File on manufacturing and formulating operations. Sponsor Aceto Agricultural Chemicals Corporation Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 5.5	Mehmood, Z	2003	Chlorpropham technical in vivo DNA repair (UDS) test using rat hepatocytes Company file: TO 1143 Date of report: 16 January 2003 Sponsors: Luxan B.V. and Aceto Agricultural Chemicals Corporation Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	
IIA 5.10	Weterings, J.J.M.	2003	Expert statement: Derivation of Acute Reference Dose Company file no:TO 1142 Sponsors: Luxan B.V. and Aceto Agricultural Chemicals Corporation Date of report: 22 January 2003 Submitted by Luxan B.V.and Aceto Agricultural Chemicals Corporation	
IIA 5.3.2/04	Krohmer, R.W.	1990f	90 Day Subchronic Toxicity Evaluation of Chlorpropham in the Mouse. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/-/62 Date of report: September 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.3.3/01	Krohmer, R.W.	1990g	21-Day Dermal Toxicity Evaluation of Chlorpropham in rabbits. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/-/063 Date of report: July 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 5.5/04	Krohmer, R.W.	1992b	52 Week Interim Report 24 Month Combined Oncogenicity/Toxicity Evaluation of Chlorpropham in the Rat Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.5/114 Date of report: February 1992 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.5/05	Krohmer, R.W.	1992a	52 Week Interim Report 18 Month Oncogenicity Evaluation of Chlorpropham in the Mouse. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.5/115 Date of report: March 1992 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.4.1/06	Murli, H.	1991	Mutagenicity Test on Chlorpropham in an in Vitro Cytogenetic Assay measuring Chromosomal Aberration Frequencies in Chinese Hamster Ovary (CHO) cells. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.4.1/068 Date of report: April 1991 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.2.4	Pels Rijcken	1996	Primary skin irritation / corrosion study in the rabbit (4 – hour semi – occlusive application) Sponsor Luxan B.V. Company file: TO 866 Date of report: 26-01-1996 GLP, Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 5.9	Arbo unie	2001	Statement: observed Health Effects at workers Company file no: TO 1203 Submitted by: Luxan B.V. Date of report:13 August 2001	
IIA 5.10	Jagt, K.E. van de	2002	Occupational Exposure assessment for risk assessment purposes Gro Stop 300 EC, Chlor Ipc 40% EC, Gro Stop 1 % DP and Gro Stop 300 HN Date of report: 3 July 2002 Company file : TO 1066 Submitted by: Luxan B.V.	
IIA 5.4.1/04	Poiley, J.A.	1991	In Vitro Transformation Assay of Chlorpropham Using Syrian Hamster Cells. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.4.1/069 Date of report: March 1991 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.1/01	Robinson, R.A. and Liu, Dave D.W.	1991	Metabolism of ^{14}C-Chlorpropham in Rats - Definitive FIFRA Study, Metabolite Analysis and Quantitation. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/-/070 Date of report: August, 1991 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 5.6.2.2	Waalkens-Berendsen, D.H.	1998	Preliminary toxicity study with chlorpropham technical in New Zealand white rabbit Sponsor Luxan B.V. Company file no.: TO 831 Date of report: 25 June 1998 GLP, unpublished Submitted by Luxan B.V.	
IIA 5.6.1/01	Schroeder, R.E.	1983	A two generation reproduction study in rats with CIPC. Sponsor PPG Industries, Barberton, Ohio Company file No.: UPL/EC/REG/CIPC/A2/5.6.1/076 Date of report: July, 5, 1983 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 5.6.2/06	Tasker, E.J.	1983	A teratology study in rats with a formulation of CIPC (40.2% on Hi-Sil). Sponsor PPG Industries, Barberton, Ohio Company file No.: UPL/EC/REG/CIPC/A2/5.6.2/074 Date of report: May 19, 1983 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 5.3.1/03	Wedig, J.H.	1990b	28-Day Rangefinding Evaluation of Chlorpropham in the Dog. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.3.1/064 Date of report: June 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

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IIA 5.3.2/03	Wedig, J.H.	1990a	90 Day Subchronic Toxicity Evaluation of Chlorpropham in the Rat. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/5.3.2/061 Date of report: September 1990 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.5/03	Wedig, J.H.	1992	One year chronic study of chlorpropham in dogs. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/-/066 Date of report: January 1992 Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.1.6/01	WnorowskiG.	1997b	Dermal Sensitization Test-Buehler Method. Laboratory Project Identification Number 5175 Product Safety Labs, New Yersey, USA Sponsor: USA CIPC Task Force Date of report: June 18, 1997 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 5.3.1	Van Otterdijk, F.M.	2001	Repeated dose [28-days] dermal toxicity with chlorpropham techn. by daily exposure in the rat. Project 285773. NOTOX B.V. 's Hertogenbosch, The Netherlands. Sponsors: Luxan B.V. and Aceto Agricutural Chemicals Corporation Company file: TO 1020. Date of report: 6 June 2001 GLP. Unpublished Submitted by Luxan B.V. and Aceto	

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			Agricutural Chemicals Corporation	
IIA 5.6.1	Wolterbeek, A.P.M. & Waalkens-Berendsen, D.H.	1998	Oral two-generation reproduction study with chlorpropham techn. in Wistar rats. Report no. V98.1199. TNO Nutrition and Food Research Institute, Zeist, The Netherlands. Sponsor: Luxan B.V. Company file : TO 907 Date of report: 25 March 1998 GLP. Unpublished Submitted by Luxan B.V.	
IIA 5.3.2	Warren, S	2003	Review of thyroid acute reference dose of chlorpropham Sponsors: Luxan B.V. and Aceto Agricultural Chemicals Corporation Company file no: TO 1152 Date of report: 21 January 2003 Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	
IIA 5.3.2	Alison, R.H.	2001	Evaluation of thyroid lesions in the dog. 's Hertogenbosch, The Netherlands Sponsors: Luxan B.V./Aceto Agricultural Chemicals Corporation Company file: TO 1021 Date of report: 12 July 2001 GLP. Unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	
IIA 5.5	Schoenmakers, A.C.M.		Combined chronic toxicity/carcinogenicity study with chlorpropham techn. by dietary administration in the rat. Project 202545, NOTOX B.V. ‘s Hertogenbosch, The Netherlands Sponsor: Luxan B.V. Company file: TO 1015 Date of report: July 2000 GLP. Un published Submitted by Luxan B.V.	
IIA 5.4.2	Bertens, A.M.C.	2000	Micronucleus test in bone marrow cells of the mouse with chlorpropham techn. Project 288708. NOTOX B.V. 's Hertogenbosch. The Netherlands Sponsors: Luxan B.V./ Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
			Company file: TO 971 Date of report: 25 June 2000 GLP. Unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	
IIA 5.1	De Bie, A.T.H.J. & Salmon, F.G.C	2000	Absorption, distribution, metabolism and excretion of [14C]-Chlorpropham in rats. Report no. V98.379. TNO Nutrition and Food Research Institute, Zeist, The Netherlands. Sponsor Luxan B.V. Company file: TO 991 Date of report: November 2000 GLP. Unpublished Submitted by Luxan B.V.	
IIA 5.5	Jonker, D.	1998	Preliminary carcinogenicity study with Chlorpropham Technical in mice Sponsor Luxan B.V. Company file no.: TO 801 Date of report: feb 1998 GLP, unpublished Submitted by Luxan B.V.	
IIA 5.5	Jonker, D.	2000	Carcinogenicity study with chlorpropham techn. in mice. Report no. V99.1070. TNO Nutrition and Food Research Institute, Zeist, The Netherlands. Sponsor Luxan B.V. Company file: TO 972 Date of report: April 2000 GLP. Unpublished Submitted by Luxan B.V.	
IIA 5.2/03	Scott, A	2003	Chlorpropham; Acute Reference Dose study by oral capsule administration to female beagle dogs. Sponsors Aceto Agricultural Chemicals Corporation and Luxan BV, Final draft report MVX 002/033270, dd. 31-07-03 Company file no. (Luxan): TO 1259 GLP, unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	

B.7 Residue data

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.5	Barraj, L.M. Gaston, C.P.	2003	Updated probabilistic acute intake assessment for residues of chlorpropham in/on potatoes Company file no (Luxan): TO 1214 Date of report: 25 March 2003 Sponsors Aceto Agricultural Chemicals Corporation and Luxan B.V. Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA 6.5	Harris C Howard K	2003	Deterministic acute dietary risk assessment of chlorpropham in potatoes Sponsor: Aceto Agricultural Chemicals Corporation and Luxan B.V. Report number pf05802 Date of report 7.08.2003 Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA 6.3	Thom, M	2002	Determination of chlorpropham (CIPC) in potato tubers Date of report: 6 September 2002 Company file: TO 1177 GLP, Unpublished Sponsor Luxan B.V. Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.4/02	Daun, R.J. and Zeller, A.M.	1995	Magnitude of the residue of chlorpropham and 4'-hydroxychlorpropham-O-sulphonic acid in edible tisues and milk of lactating dairy cows. Corning Hazleton Inc. Sponsor USA CIPC Task Force Study No.: CHW 6607-100 Date of report: December 21, 1995 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.2/07	Gillis, N.A.	1990	The determination of residual concentrations of Propham and Chlorpropham in potatoes.HRC Sponsor: Luxan B.V. Company file No.: TO 90/036 Date of report: December 21, 1990 Not GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.2/02 - IIA 6.6/06	Goodrick, B. et al.	1993a	Magnitude of residues of Chlorpropham and major metabolites in or on stored potatoes intended for the fresh market. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/079 Date of report: January 26, 1993 Not GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

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IIA 6.2/03 - IIA 6.6/07	Goodrick, B. et al.	1993b	Magnitude of the residues of Chlorpropham and majo metabolites in or on stored potatoes intended for processing into frozen or dehydrated products. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/080 Date of report: January 26, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.2/05 - IIA 6.6/08	Goodrick, B. et al.	1993c	Magnitude of the residues of Chlorpropham and major metabolites in or on stored potatoes intended for processing into chips. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/081 Date of report: January 26, 1993 GLP, Unpublished Submitted byAceto Agricultural Chemicals Corporation	
IIA 6.6/05	Goodrick, B. et al.	1993d	Determination of storage stability of fortified residues of Chlorpropham and metabolites of concern in/on fresh, stored and processed potatoes. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/054 Date of report: December 13, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.2/06 - IIA 6.6/09	Haws, R. et al.	1993a	Magnitude of the residues of Chlorpropham and major metabolites in or on processed potato products and peels. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/082 Date of report: February 6, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.6/04	Haws, R. et al.	1993b	Determination of storage stability of field-incurred residues of Chlorpropham and metabolites of concern in or on fresh, stored and processed potatoes (report and addendum 1). University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/055 Date of report; February 3, 1993 Date addendum: October 4, 1993 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.1/01	Kim-Kang, H.	1991	Metabolism of C-14 chlorpropham in stored potatoes - Nature of the residues in potatoes. Xenobiotic Laboratories Inc. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6.1/078 Date of report: October 31, 1991 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.1	Doran	1998	To evaluate the residue level in potato tubers treated with a sequential treatment of Gro Stop HN using fogging Sponsor Luxan B.V. Company file: TO 874 Date of report: 11-11-1998 GLP, Unpublished Submitted by: Luxan B.V.	Y
IIA 6.6/01	Kleinkopf, G.E. andThomson C.E.	1992	In-life phase study: Magnitude of residues in stored potatoes from postharvest treatments of Chlorpropham. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6/083 Date of report: November 16, 1992 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.2/10	Melkebeke, T.	1994	2. Residues of propham and chlorpropham in potatoes and processing products after treatment with GRO STOP (Analytical report). Notox B.V. Sponsor Luxan B.V. Company File No.: TO-594 Date of report: 24 August 1994 GLP, Unpublished Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/03	Old, J. et al.	1996a	Evaluate the residue level of potato tubers treated with sequential treatment of Luxan Gro-Stop HN applied using fogging techniques. Inveresk Project No. 386680 Inveresk Report No.: 14131 Sponsor Luxan B.V. Company file No.: TO-740 Date of report: 11 December 1996 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/04	Old, J. et al.	1996b	Evaluate the residue level of potato tubers treated with sequential treatment of Luxan Gro-Stop HN applied using fogging techniques. Addendum Inveresk Project No. 386680 Inveresk Report No.: 14131 Sponsor Luxan B.V. Company file No.: TO-740 Date of report: 11 December 1996 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/05	Old, J. et al.	1996c	To evaluate the residue level and efficacy of chlorpropham in potato tubers treated with sequential application of a 50% formulation applied using fogging techniques bulk store residues. Inveresk Project No.: 386916 Inveresk Report No.: 14204 Sponsor United Phosphorus Ltd Date of report: 13 December 1996 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

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IIA 6.3/06	Old, J. et al.	1996d	To evaluate the residue level and efficacy of chlorpropham in potato tubers treated with a sequential application of a 50% formulation applied using fogging techniques box store residue data. Inveresk Project No.: 386916 Inveresk Report No.: 13452 Sponsor United Phosphorus Ltd Date of Report: 13 December 1996 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6/04	Schulz, J.	1996	Final report about testing the residual behaviour of CICP 1% DP (Neo Stop) in potatoes under storage conditions (Field report). Agroplan Sponsor Chimac-Agriphar S.A. Study No.: AGR/RP-K 96/ASU Neo Stop Date of report: 23-07-96 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	Y
IIA 6.2/11	Schulz, J.	1994	1. Final report about testing the residual behaviour of GRO STOP in potatoes under storage conditions (Field report). Agroplan Sponsor Luxan B.V, Company File No.: TO-594 Date of report: November 1994 GLP, Unpublished Submitted by: Luxan B.V.	

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IIA 6.6/03	Swanson, B.G. et al.	1993	Processing of stored potatoes treated postharvest with Chlorpropham to determine magnitude of residues in processed potato fractions. University of Idaho Analytical Laboratory Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2?6.5/084 Date: January 7, 1992 GLP, Unpublished Submitted byAceto Agricultural Chemicals Corporation	
IIA 6.1/05	Wu, D.	1991a	Metabolism of ^{14}C-Chlorpropham in Lactating Goats – Metabolite Analysis and Quantitation in Milk and Edible Tissues. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6.4/071 Date of report: November 1991 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.1/07	Wu, D	1991a	Metabolism of ^{14}C-Chlorpropham in Laying Hens. Metabolite Analysis and Quantitation in Eggs and Tissues. Sponsor USA CIPC Task Force Company file No.: UPL/EC/REG/CIPC/A2/6.2/073 Date of report: December 1991 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/07	Schulz, J.	1999	Final report on 7 trials investigating the efficacy and the residueal behaviour of NeoStop (CIPC 1% DP) after application of 1.5 kg/ton on potatoes under storage conditions (field report). Agroplan Sponsor Chimac-Agriphar S.A. Company file: AGR/RP-K 98/Neo Stop 2 Date of report: September 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/08	Roland, L.	1998	Decline curve of chlorpropham residues in potatoes (entire tubers and peeled potatoes), Commercial product: NeoStop (CIPC 1%). BPL B.E.A.Gx-C.A.P Sponsor: Chimac-Agriphar S.A. Company file: 5-CAGPOT97/10 Date of report: September 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/09	Reynens, P.	1998	Residue of chlorprophame (degradation curve) in potatoes following one application of 1,5 CIPC 1% DP on tubers before storage-Belgium, Season 1997-1998. Redebel Sponsor: Chimac-Agriphar S.A. Company file: G01-98 Date of report: November 26th 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/11	Schulz, J.	1999	Final report on investigating the efficacy and the residueal behaviour of NeoStop (CIPC 1% DP) after application of 1.0 kg/ton on potatoes under storage conditions (field report). Agroplan Sponsor: Chimac-Agriphar S.A. Company file: AGR/RP-K 98/Neo Stop 1 Date of report: August 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/12	Brielbeck, B and D. Marx	1996	Determination of chlorpropham in unpeeled potatoes. Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010 Date of report: 13-12-1996 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	y
IIA 6.3/13	Brielbeck, B and D. Marx	1996	Determination of chlorpropham in peeled potatoes. Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010A Date of report: 10-12-1996 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	Y

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IIA 6.3/11	Schulz, J.	1996	Final report about testing the residual behaviour if CIPC 1% DP (Neo-Stop) in potatoes under storage conditions (field report). Agroplan Sponsor: Chimac-Agriphar S.A. Company file: AGR/RP-K 96/ASU Neo-Stop Date of report: 23-07-1996 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	Y
IIA 6.3/14	Brielbeck, B and D. Marx	1999	Residue analysis of chlorpropham in potato tubers following one application of 1.0 kg/t Neo Stop (Chlorpropham 1% DP) in Germany: 4 trials. Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010E Date of report: 13-12-1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/15	Roland, L.	1998	Decline curve of chlorpropham residues in potatoes (entire tubers and peeled potatoes), Commercial product: NeoStop L 500(CIPC 500g/l HN). BPL B.E.A.Gx-C.A.P Sponsor: Chimac-Agriphar S.A. Company file: 5-CAGPOT97/10 Date of report: October 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/16	Nassoy, G.	1998	Chlorpropham residue levels on potato after several fogging applications of NeoStop L500 in a commercial long term storage in the north of France (field report). Promo-Vert Sponsor: Chimac-Agriphar S.A. Company file: 97 H PT AG P/C Date of report: 1December 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/17	Brielbeck, B and D. Marx	1999	Residue analysis of chlorpropham in potato tubers following two fogging application of Neo Stop L500 (CIPC 500 g/l HN) in Belgium (7 trials: 1 degradation row and 6 harvest values). Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010C Date of report: 13-12-1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/18	Reynens, P.	1999	Residue of chlorprophame (decline) in potatoes following one or two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G09-99 Date of report: November 5th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

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IIA 6.3/19	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G10-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/20	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G11-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/21	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). : Redebel Sponsor: Chimac-Agriphar S.A. Company file: G12-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/22	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G13-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/23	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G14-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/24	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G15-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

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IIA 6.3/25	Reynens, P.	1999	Residue of chlorprophame (decline) in potatoes tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G19-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/26	Reynens, P.	1999	Residue of chlorprophame in potato tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G18-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/27	Reynens, P.	1999	Residue of chlorprophame in potato tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G17-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/28	Reynens, P.	1999	Residue of chlorprophame in potato tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor: Chimac-Agriphar S.A. Company file: G16-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/29	Self, M.M.	1999	Decline residual trial on stored potatoes in the UK. 1998-1999 (field phase). Levington Agriculture Sponsor: Chimac-Agriphar S.A. Company file: LA Project No. 99115 Date of report: November 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/30	Self, M.M.	1999	Classic residue trial on stored potatoes in the UK 1998-1999 (field phase). Levington Agriculture Sponsor: Chimac-Agriphar S.A. Company file: LA Project No. 99114 Date of report: November 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/31	Nassoy, G.	1998	Chlorpropham residue levels on potato for non processed use after four fogging applications of NeoStop L500 in an experimental long term storage in the north of France on Nicola variety (field report). Promo-Vert Sponsor: Chimac-Agriphar S.A. Company file: 98 H PT AG P/G Date of report: 19 October 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/31	Nassoy, G.	1998	Chlorpropham residue levels on potato for non processed use after four fogging applications of NeoStop L500 in an experimental long term storage in the north of France on Bintje variety (field report). Promo-Vert Sponsor Chimac-Agriphar S.A. Company file: 98 H PT AG P/F Date of report: 19 October 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/32	Brielbeck, B and D. Marx	2000	Residue analysis of chlorpropham in potato tubers following 4 fogging applications of Neo Stop L500 (CIPC 500 g/l HN) in Belgium, France and England (9 trials: 1 degradation row and 5 harvest values). Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010B Date of report: 25-02-2000 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/33	Brielbeck, B and D. Marx	2000	Residue analysis of chlorpropham in potato tubers following one application of 1 kg/t Neo Stop (Chlorpropham 1% DP) in Germany: 4 trials. rStähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010E Date of report: 09-02-2000 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.3/34	Brielbeck, B and D. Marx	2000	Residue analysis of chlorpropham in p[otato tubers following one application of 1.5 kg/t Neo Stop (Chlorpropham 1% DP) in Germany: 7 trials. Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010F Date of report: 09-02-2000 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 6.2/12	De Bie, A.Th. H.J. and Salmon, F.G.Ch.	2001	The metabolism and disposition of [^{14}C]-Chlorpropham in the lactating goat : TNO, TNO report no.: V2717 Sponsor Luxan B.V. Company file: TO 1017; Date of report: 23 July 2001 GLP, unpublished Submitted by: Luxan B.V.	
IIA 6.3	Rooseboom-Reimers, A.	2001	Determination of chlorprophamin potato starch and steamed potato peelings Company file no.: TO 1032 GLP, Unpublished Sponsor Luxan B.V. Submitted by: Luxan B.V.	
IIA 6.3/07	van der Meer-van den Brink	1999	Evaluation of the magnitude of residues of anti-sprouting products in potatoes. TNO report no V 97.666, interim report d.d. 09-10-1997 TNO report no V 97.990, final report d.d. 16-12-1997 Sponsor Luxan B.V. Company file : TO 798	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
			GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/08	Delcour, M	1999a	Residue of anti-sprouting products in potatoes Staphyt, Study no.: X 97 91 01 Sponsor Luxan B.V. Company file : TO 798 Date of report: April 1999 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/09	Mol	1998	Determination of residues of chlorpropham in/on potatoes after post-harvest treatment with Gro-Stop 1% DP and Gro-Stop EC TNO report no.: V 98.763 Sponsor Luxan B.V. Company file : TO 850 Date of report: 16-10-1998 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/10	Delcour, M	1999b	Luxan - anti-sprout – Potatoes Staphyt, Study no.: X 98 91 01P Sponsor Luxan B.V. Company file : TO 850 Date of report: June 1999 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/11	Melkebeke, T.	1994	Residues in potatoes and processing products after treatment (Gro-Stop EC and DP) NOTOX, project no. 126359 Sponsor Luxan B.V. Company file : TO 595 Date of report: 26-08-1994 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.3/12	Schulz, J	1995	Final report about testing the reisual behaviour of Gro sto EC in potatoes under storage conditions (field report) Agroplan, AGR/RK-93LUX “Gro-stop EC” Sponsor Luxan B.V Company file : TO 595 Date of report: februari 1995 GLP, Unpublished Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/13	Nowacka	1998	Determination of residues of chlorpropham in potatoes. Residue analysis of chlorpropham in potatoes treated with Gro-Stop 1% DP Plant Protection Institute Poland Sponsor Luxan B.V Company file : TO 823 not GLP, Unpublished Submitted by: Luxan B.V.	
IIA 6.5/03	Roland, L	2000	Influence of peeling and microwave, pressure and water cooking on chlorpropham residues in potatoes; commercial product: Neo-Stop (CIPC 1% DP) : BEAGx, report no. 5CAGPOTCK00/20 Sponsors: Aceto Agricultural Chemicals Corporation / Chimac-Agriphar S.A. Date of report: 16-05-2001 GLP, unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 6.9/01	Gaston, C.P.	2001	Probabilistic acute intake assessment for residues of chlorpropham in/on potatoes. Novigen Sciences Inc. Sponsors: Aceto Agricultural Chemicals Corporation / Chimac-Agriphar S.A. Date of report: 13-12-2001 Unpublished Submitted by Aceto Agricultural Chemicals	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 6.3/9	Quirijns, J.K.	2003	Distribution of chlorpropham on individual potatoes in samples from bulk stores. Sponsor LuxanBV/Aceto Agricultural Chemicals Corporation TNO report no.: V5092 Company file: -; TO 1219 Date of report: 1 April 2003 GLP, unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	
IIA 6.3/9	Schirring, W.and de Vries, R.G.	2003	Outline of the study: Distribution of CIPC on individual potatoes in samples from bulk stores. Sponsor: Luxan B.V./Aceto Agricultural Chemicals Corporation Company file: -; TO 1219 Date of report: 6 June 2003 Non-GLP, unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation	

B.8 Environmental fate and behaviour

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 7.1.1.1	Aalderink, G.A.	1999	A study on the route and rate of degradation of chlorpropham techn. in one aerobic soil using [ring U-14C] chlorpropham Company file: TO 950 rTNO Sponsor Luxan Report date: 18 October 1999 GLP,Unpublished Submitted by Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 7.1.2/02	Leeijen, N.M.A.	1996	Soil adsorption/desorption Chlorpropham on 3 soils. Sponsor: United Phosphorus Ltd. Company file No.: UPL/EC/REG/CIPC/A2/7.1.2/100 Date: January 31, 1996 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 7.2.1	Antonio, P.H. Cardinaals, J.M.	2002	Determination of the concentration chlorpropham in surface water during use Notox Sponsor Luxan B.V. Company file no: TO 1059 Date of report: 4 December 2002 GLP, unpublished Submitted by: Luxan B.V.	
IIA 7.2.1	Desmares-Koopmans	1996	Determination of 'ready' biodegradability: carbon dioxide (CO2) evaluation test (modified sturm test) Notox Sponsor Luxan B.V. Company file: TO 705 Date of report: 08-05-1996 GLP, Unpublished Submitted by Luxan B.V.	
IIA 7.2.2/01	Muttzall, P.I. Bonk, J.W.	1992	Biodegradation of Chlorpropham in a Static Water/Sediment System. Sponsor Luxan B.V., Company file No.: TO-142 Date of report: January, 1992 GLP, Unpublished Submitted by Luxan B.V.,	Y

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IA, 7.2.1	Barnes, S.P.	2001	CIPC (chlorpropham) assessment of ready biodegradability- modified sturm test Huntingdon Life Sciences, Report Number AAC012/012641 Sponsor Aceto Agricultural Chemicals Corporation/Luxan BV Date: 21 May 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA, 7.2.1.3.2	De Vette, H.Q.M. Hanstveit, A.O.	1999	A water/sediment degradation study of chlorpropham techn. using [^{14}C]chlorpropham (CTB Guideline section G.2.1, BBA Guideline IV, 5-1 and OECD draft document. TNO Nutrition and food research, Sponsor Luxan B.V. Report Number V99.141 Date: 22 November 1999 GLP, Unpublished Company file: TO 943 Submitted by: Luxan B.V.	
IIA, 7.2.1.3.2	De Vette, H.Q.M.	2000	A water/sediment degradation study of chlorpropham techn. using [^{14}C]chlorpropham; identification of two metabolites in extracts from a test with sediments from the Kromme Rijn river TNO Nutrition and food research, Sponsor Luxan B.V. Report Number V99.1150 Date: 8 September 2000 GLP, Unpublished Addendum to company file: TO 943 Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA, 7.2.1.3.2	Heintze, A.	2001	Degradation and metabolism of chlorpropham in two Water /Sediment Systems under Aerobic Conditions-laboratory test. GAB Biotechnologie GmbH & IFU Umweltanalytik GmbH, Report Number 20001266/01-CUWS Sponsor Aceto Agricultural Chemicals Corporation Date: 8 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA 7.8.3	Muttzall, J.I. Vonk, P.W.	1992	Biodegradation in a static water/sediment system Sponsor Luxan B.V. Companyfile no.: TO 142 GLP, Unpublished Submitted by Luxan B.V.	Y

B.9 Ecotoxicology

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 8.2.5/01	Adema, D.M.M. Van Drongelen-Sevenhuijsen, D.	1989	The acute Toxicity of Chlorpropham (CIPC) to Daphnia magna Sponsor: Luxan B.V. Document no.: TO-147 Date: May 18, 1989 GLP, Unpublished Submitted by: Luxan B.V,	Y
IIA 8.1.1/01	Coenen, T.M.M.	1989	Acute Oral Toxicity Study with Chlorpropham Birds. Sponsor: Luxan B.V, Document no.: TO-148 Date: June 16, 1989 GLP, Unpublished Submitted by Luxan B.V.	Y

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 8.2.7/01	Hanstveit, A.O.	1989	Effect of Chlorpropham (CIPC) on the Growth of Selenastrum capricornutum (OECD 201). Sponsor: Luxan B.V. Document no.: TO-145 Date: May 22, 1989 GLP, Unpublished Submitted by: Luxan B.V.	Y
IIA 8.2.1/01	Adema, D.M.M. Van Drongelen-Sevenhuijsen, D.	1989	The Acute Toxicity of Chlorpropham to Brachydanio. Sponsor: Luxan B.V. Document no.: TO-146 Date: May 19, 1989 GLP, Unpublished Submitted by: Luxan B.V.	Y
IIA 8.2.1/02	Bogers, Drs. M.	1993	96-hour Acute Toxicity Study in the Rainbow Trout Chlorpropham Technical. Sponsor Luxan B.V. Document no.: TO-491 Date: November 19, 1993 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 8.1.2/01	Campbell, S.M. Lynn, S.P.	1992	Chlorpropham (CIPC): A Dietary LC50 Study with Northern Bobwhite. Sponsor: USA CIPC Task Force Document no.: UPL/EC/REG/CIPC/A2/8.1.2/116 Date: August 24, 1992 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 8.1.1/02	Dreumel, I.F. van	1997	5-Day dietary toxicity study in Japanese quail wit chlorpropham techn. Sponsor: Luxan B.V. Document no.: TO-774 Date: August 16, 1997 GLP, Unpublished Submitted by: Luxan B.V.	
IIA 8.3.2/01	Erp, Ir. Y. van	1995	Acute toxicity study in the earthworm with chlorpropham. Sponsor: United Phosphorus Ltd. Document no.: UPL/EC/REG/CIPC/A2/8.4.1/104 Date: June 29, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 8.3.3/01	Helvoirt van, J.A.M.W.	1995	The effects of chlorpropham on soil respiration and nitrification Sponsor: United Phosphorus Ltd. Document no.: UPL/EC/REG/CIPC/A2/8.5/105 Date: September 29, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 8.3	Stabler, D.	2003	Assessment of side effects of chlorpropham technical on the larvae of the midge,Chironomus riparius with the laboratory test method Sponsor Luxan B.V. Company file no.: TO 1053 Date of report:11 March 2003 GLP Unpublished Submitted by Luxan B.V	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 8.3.1/01	Mead-Briggs, M.	1995	A laboratory study to evaluate the side-effects the herbicide Chlorpropham (as MTM CIPC 40 EC) on the Phytoseiid mite Typhlodromus Pyri. Sponsor: United Phosphorus Ltd. Company file no.: UPL/EC/REG/CIPC/A2/8.3.1/119 Date: September 18, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 8.3.1/02	Mead-Briggs, M.	1995	A laboratory evaluation of the side-effects the herbicide Chlorpropham (as MTM CIPC 40 EC) on the parasitic wasp, Aphidius rhopalosiphi. Sponsor: United Phosphorus Ltd. Company file no.: UPL/EC/REG/CIPC/A2/8.3.1/118 Date: October 27, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 8.3.1/04	Steen van der, J.J.M.	1995	Honey bees (Apis mellifera L.) oral toxicity study in the laboratory with Chlorpropham. Sponsor: United Phosphorus Ltd. Company file no.: UPL/EC/REG/CIPC/A2/8.3.1.1/102 Date: November, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 8.3.1/03	Steen van der, J.M.	1995	Honey bees (Apis mellifera L.) contact toxicity study in the laboratory with Chlorpropham. Sponsor: United Phosphorus Ltd. Company file no.: UPL/EC/REG/CIPC/A2/8.3.1.1/102 Date: November, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	
IIA 8.2.5/02	Sved, D., PhD Murphy, D. Swigert, J.P., PhD.	1992	Chlorpropham (CIPC): A 48-hour Static Acute Toxicity with the Cladoceran (Daphnia magna). Sponsor: USA CIPC Task Force Document no.: UPL/EC/REG/CIPC/A2/8.2.4/117 Date: October 7, 1992 *GLP, Unpublished* *Submitted by Aceto Agricultural Chemicals Corporation*	
IIA 8.3.1/05	Thompson, B.	1995	A laboratory evaluation of the side-effects the herbicide Chlorpropham (as MTM CIPC 40 EC) on the lacewing Chrysoperla carnea Steph. (Neuroptera: Chrysopidae). Sponsor: United Phosphorus Ltd. Company file no.: UPL/EC/REG/CIPC/A2/8.3.1/120 Date: December 06, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA 8.3.1/06	Thompson, B.	1995	A laboratory evaluation of the side-effects the herbicide Chlorpropham (as MTM CIPC 40 EC) on the carabid beetle Poecilus cupreus. Sponsor: United Phosphorus Ltd. Company file no.: UPL/EC/REG/CIPC/A2/8.3.1/121 Date: December 06, 1995 GLP, Unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA, 8.1.3	Johnson, A.J.	2001	CIPC (chlorpropham) Assesment to determine the effects on reproduction in the Bobwhite Quail Huntingdon Life Sciences Ltd, Report number: AAC007/003915 and TO 1062 Sponsor: Aceto Agricultural Chemicals Corporation / Luxan BV Date: 11 December 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA, 8.2.2.2	Hooftman, R.N., Van Drongelen-Sevenhuijsen, D., Borts, B.	1999	Semi-static Early Life Stage test with Chlorpropham techn. and the zebra fish *Brachydanio rerio* (OECD Guideline no. 210) TNO Nutrition and Food Research Institute, Report number V98.1131 Date: 2 August 1999 GLP, Unpublished Company file: TO 945 Submitted by: Luxan B.V.	
IIA, 8.2.3	Caldwell, E.	2001	^{14}C-chlorpopham bioconcentration in Rainbow trout Huntingdon Life Sciences Ltd, Report number: AAC 008/012832 Sponsor: Aceto Agricultural Chemicals Corporation /Luxan BV Date: 8 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA, 8.2.5	Hooftman, R.N., Van Drongelen-Sevenhuijsen, D., Borts, B.	1999	Semi-static reproduction test with Chlorpropham techn. and the crustacean species *Daphnia magna* (Guidelines: OECD revised draft no. 202 and EU New Draft) TNO Nutrition and Food Research Institute, Report number V98.1132 Date: 9 September 1999 GLP, Unpublished Company file: TO 946 Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA, 8.2.6	Firth, K.A.	2001a	CIPC (chlorpropham) Algal Growth inhibition Assay Huntingdon Life Sciences Ltd, Report number: AAC011/013291 + TO 1171 Sponsor: Aceto Agricultural Chemicals Corporation/ Luxan BV Date: 7 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA, 8.2.8	Bogers, M.	2000	Aquatic plant toxicity test using Lemna minor with chlorpopham technical NOTOX B.V., Project number: 289924 Sponsor Luxan B.V. Date: November 2000 GLP, Unpublished Company file: TO 992 Submitted by: Luxan B.V.	
IIA, 8.2.8	Firth, K.A.	2001b	CICP (chlorpopham) Higher plant (*Lemna*) growth inhibition test Huntingdon Life Sciences Ltd, Report number AAC010/013528 Sponsor: Aceto Agricultural Chemicals Corporation Date: 7 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA, 8.3.2	Geuijen, W.H.C.	2000a	Effects of CIPC formulation I and CIPC formulation II on survival and reproduction of the parasitic wasp *Aphidius rhopalosiphi* in the laboratory NOTOX B.V., Sponsor Luxan B.V. Project number 280878 Date: January 2000 Non GLP, Unpublished Company file: TO 965 Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA, 8.3.2	Geuijen, W.H.C.	2000b	Effects of CIPC formulation II and CIPC formulation III on survival and reproduction of the parasitic wasp *Aphidius rhopalosiphi* in the laboratory NOTOX B.V., Sponsor Luxan B.V. Project number 285784 Date: March 2000 Non GLP, Unpublished Company file: TO 966 Submitted by: Luxan B.V.	
IIA, 8.3.2	Geuijen, W.H.C.	2001a	Effects of Chlor-IPC 400 EC on survival and reproduction of the parasitic wasp *Aphidius rhopalosiphi* (combined laboratory and extended laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 324067 Date: October 2001 GLP, Unpublished Company file: TO 1049 Submitted by: Luxan B.V.	
IIA, 8.3.2	Geuijen, W.H.C.	2001b	Effects of Chlor-IPC 400 EC on the survival and reproduction of the phytoseiid mite *Typhlodromus pyri* Scheuten (laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 322594 Date: August 2001 GLP, Unpublished Company file: TO 1028 Submitted by: Luxan B.V.	
IIA, 8.3.2	Geuijen, W.H.C.	2001c	Effects of Chlor-IPC 400 EC on survival and food consumption of the carabid beetle *Poecilus cupreus* (laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 322572 Date: August 2001 GLP, Unpublished Company file: TO 1033 Submitted by: Luxan B.V.	
IIA, 8.3.2	Geuijen, W.H.C.	2001d	Effects of Chlor-IPC 400 EC on survival and reproduction of the green lacewing *Chrysoperla carnea* (laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 322583 Date: September 2001 GLP, Unpublished Company file: TO 1050 Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA, 8.4.1	Van Erp, Y.H.M.	2000	Acute toxicity study in the earthworm with chlorpropham technical NOTOX B.V., Sponsor Luxan B.V. Project number 295379 Date: August 2000 GLP, Unpublished Company file: TO 974 Submitted by: Luxan B.V.	
IIA, 8.5	De Vette, H.Q.M, Aalderink, G.H.	1999	The assessment of the effects of chlorpropham techn. on the nitrogen mineralisation activity of soil microorganisms (CTB Guideline scetion H.4.1/Draft OECD) TNO Nutrition and Food Research Institute, Sponsor Luxan B.V. Report number V99.113 Date: 26 November 1999 GLP, Unpublished Company file: TO 953 Submitted by: Luxan B.V.	
IIA, 8.6; IIIA, 10.8	Clay, D.V., Makepeace, R.J.	2001	A review of available data on the effect of chlorpropham on non target and target higher plants Oxford Agricultural Consultants Ltd., Report number AL/OAC/1201 Sponsors Aceto Agricultural Chemicals Luxan BV Non GLP, Unpublished Date: 14 December 2001 Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.	
IIA, 8.7	Barnes, S.P.	2001	CIPC (chlorpropham) Activated Sludge-Respiration Inhibition Test Huntingdon Life Sciences Ltd, Report number AAC009/004703 Sponsor Aceto Agricultural Chemicals Corporation Date: 4 May 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation	
IIA, 8.7	Desmares-Koopmans, M.J.E.	1998	Activated sludge respiration inhibition test with chlorpropham techn. NOTOX B.V., Sponsor Luxan B.V. Project number 236363 Date: June 1998 GLP, Unpublished Company file: TO 838 Submitted by: Luxan B.V.	

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not	Reports on previous use in granting national authorizations
IIA, 8.3.2	Geuijen, W.H.C.	2002 a	Dose response toxicity study in the parasitic wasp *Aphidius rhopalosiphi* with CHLOR-IPC 400 G/L EC (laboratory test) October 28, 2002 NOTOX, Sponsor Luxan B.V. Report No. 354623 (TO 1193) GLP, Unpublished Submitted by: Luxan B.V.	
IIA, 8.3.2	Geuijen, W.H.C.	2002 b	Dose response toxicity study in the predatory mite *Typhlodromus pyri* with CHLOR-IPC 400 G/L EC (laboratory test) October 15, 2002 NOTOX, Sponsor Luxan B.V. Report No. 354634 GLP, Unpublished	

APPENDIX IIIB

CHLORPROPHAM

List of studies which were submitted during the evaluation process and were not cited in the draft assessment report:

B.1 Identity, B.2 Physical and chemical properties, B.3 Data on application and further information, B.4 Proposals for classification and labelling, B.5 Methods of analysis

Annex point/ reference number	**Author(s)**	**Year**	**Title** **Source (where different from company)** **Company, Report No.** **GLP or GEP status (where relevant)** **Published or not**
IIIA 2.7/04	Stokkermans	1999	Report amendment Determination of the physical and chemical properties of Brabant kiemremmer 1 % after two years storage at room temperature. Brabant Chemie, project no. 9701007.08.0004 Date: September 1999 Not GLP, Unpublished
IIIA 2.8	Westen, N	2000	Dustability of Chlorpropham !% DP after tropical storage. Brabant Chemie, project no. 0003021.00 Date: April 2000 GLP, Unpublished
IIIA 2	Westen, N	2000	Physical and chemical properties and storage stability tests for Chlor-IPC 40% EC. project no. TO-876 Date: July 20, 2000 GLP, Unpublished Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 4.2.5/03	Daun R.J.	1996	Validation of a method for the determination of chlorpropham and 4'-hydroxychlor-propham-*o*-sulphonic acid in milk and tissues of lactating dairy cows. Sponsor: Aceto Agricultural Chemicals Corporation and Atochem North AmericaSponsor USA CIPC Task Force Report/file N°:CHW 6607-102 Date of report: 1996 Not GLP, Unpublished
IIIA, 2.1, 2.4-2.8	Bernes, A	2000a	Physical and chemical properties and storage stability tests for Gro-Stop 300 g/l HN Sponsor: Department de Phytopharmacie, Gembloux report no.; TO-996 Date: december 12, 2000, GLP study not published Submitted by: Luxan B.V.
IIIA, 2.2 and 2.3	Mak, W. A..	2000a	Some physico-chemical properties of Gro-Stop 300 g/l HN Sponsor: TNO/Prins Maurits laboratory, Rijswijk. Report no.: TO-996 Date: May 31 2000 GLP study not published Submitted by: Luxan B.V.
IIIA, 2.1, 2.4-2.8	Bernes, A	2000b	Physical and chemical properties and storage stability tests for Chlor-IPC 40% EC. Sponsor: Department de Phytopharmacie, Gembloux report no.; TO-876 Date: July 20, 2000, GLP study not published Submitted by: Luxan B.V.
IIIA, 2.2 and 2.3	Mak, W. A..	2000b	Some physico-chemical properties of Chlor-IPC 40 % EC Sponsor: TNO/Prins Maurits laboratory, Rijswijk. Report no.: TO-876 Date: June 2, 2000 GLP study not published Submitted by: Luxan B.V.
IIIA 4.1	Parkin,C.S., Lane, A.G.	2001	CIPC residues in spray tanks following rinsing, Silsoe Research Institute, Sponsors: Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
			and Luxan B.V. Date: December 2001. Non GLP, Unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation
IIA 4.1/06	Lightbody,S.M., Macdonald, E.	2000	Prelimenary analysis, certified Limits and Methods to Verify Certified Limits for Chlorpropham Inveresk Sponsor Aceto Agricultural Chemicals Corporation Date: 25 August 2000. GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation
IIA, 4.2.2	Meeuwsen, M.C.T.J.	2001 a	Interlaboratory verification trial for the analytical method known as "Chlorpropham: validation of analytical method for determination in soil with a determination limit of 50 µg/kg" TNO Nutrition and Food Research, Sponsor Luxan B.V. Report Number V3460 Date: 5 December 2001 Company file: TO 1016 GLP, Unpublished Submitted by: Luxan B.V.
IIA, 4.2.2	Brielbeck, B., Marx, D.	1999	Validation of the analytical method of chlorpropham in sewage plant sludge Stähler Agrochemie GmbH, Sponsor Luxan B.V. Report number AB 95395-GM-002G Date: 26 July 1999 Company file: TO 942 GLP, Unpublished Submitted by: Luxan B.V.
IIA, 4.2.3	Meeuwsen, M.C.T.J.	2001 b	Validation of the determination of chlorpropham in water. TNO Nutrition and Food Research, Sponsor Luxan B.V. Report Number V2800 Date: 9 April 2001 Company file: TO 1014 GLP, Unpublished Submitted by: Luxan B.V.
IIA 4.2.5/03	Meeuwsen, M.C.T.J.	2001	Validation of the determination of chlorpropham and 4-HSA in whole milk, TNO, TNO report V 3272/02. Sponsor Luxan B.V. Company file no: 010.51167 + TO 1018 Date: 26 July 2001 GLP, Unpublished Submitted by: Luxan B.V.
IIA 4.2.5/04	Meeuwsen, M.C.T.J. and Mol, J.G.J.	2001	Validation of the determination of chlorpropham and 4-HSA in animal tissues TNO report V 3272/03.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
			Sponsor Luxan B.V. Company file no: 010.51167 + TO 1018 Date: 26 July 2001 GLP, Unpublished Submitted by: Luxan B.V.
IIA 4.2.5/05	Wagner, S	1998	Validation of an analytical method for the determination of chlorpropham in animal foodstuffs Biochem, report No 985012087 Sponsor Luxan B.V. Company file: TO 853 Date: September 14, 1998 GLP, Unpublished Submitted by: Luxan B.V.

B.6 Toxicology and metabolism

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 5.6	Barton, S.J.	2000	Review of reproduction studies with chlorpropham. Inveresk Project 492759 Sponsor: Aceto Agricultural Chemicals Corporation/ Luxan BV Date of report: 2000 Not GLP, unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.
IIA 6.3.1	Van Otterdijk, F.M.	2001	Repeated dose [28-days] dermal toxicity with chlorpropham techn. by daily exposure in the rat. Project 285773. NOTOX B.V. 's Hertogenbosch, The Netherlands. Sponsored by Luxan B.V. and Aceto Agricutural Chemicals Corporation Company file: TO 1020. Date of report: 6 June 2001 GLP. Unpublished Submitted by Luxan B.V. and Aceto Agricultural Chemicals Corporation.
IIA 6.6.1	Wolterbeek, A.P.M. & Waalkens-Berendsen, D.H.	1998	Oral two-generation reproduction study with chlorpropham techn. in Wistar rats. Report no. V98.1199. TNO Nutrition and Food Research Institute, Zeist, The Netherlands. Sponsored by Luxan B.V. Company file : TO 907

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
			Date of report: 25 March 1998 GLP. Unpublished Submitted by: Luxan B.V.
IIA 6.3.2	Alison, R.H.	2001	Evaluation of thyroid lesions in the dog. 's Hertogenbosch, The Netherlands Sponsored by Luxan B.V./Aceto Agricultural Chemicals Corporation Company file: TO 1021 Date of report: 12 July 2001 GLP. Unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation
IIA 6.3.2	Schoenmakers , A.C.M.		Combined chronic toxicity/carcinogenicity study with chlorpropham techn. by dietary administration in the rat. Project 202545, NOTOX B.V. 's Hertogenbosch, The Netherlands Sponsored by Luxan B.V. Company file: TO 1015 Date of report: July 2000 GLP. Un published Submitted by: Luxan B.V.
IIA 6.4.2	Bertens, A.M.C.	2000	Micronucleus test in bone marrow cells of the mouse with chlorpropham techn. Project 288708. NOTOX B.V. 's Hertogenbosch. The Netherlands Sponsors Luxan B.V./ Aceto Agricultural Chemicals Corporation Company file: TO 971 Date of report: 25 June 2000 GLP. Unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation
IIA 6.1	De Bie, A.T.H.J. & Salmon, F.G.C	2000	Absorption, distribution, metabolism and excretion of [14C]-Chlorpropham in rats. Report no. V98.379. TNO Nutrition and Food Research Institute, Zeist, The Netherlands. Sponsor Luxan B.V. Company file: TO 991 Date of report: November 2000 GLP. Unpublished Submitted by: Luxan B.V.
IIA 6.1	Jonker, D.	2000	Carcinogenicity study with chlorpropham techn. in mice. Report no. V99.1070. TNO Nutrition and Food Research Institute, Zeist, The Netherlands. Sponsor Luxan B.V. Company file: TO 972 Date of report: April 2000

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
			GLP. Unpublished Submitted by: Luxan B.V.
IIIA 7.1.1	Van de Gevel, I.A	2001 a	Assessment of acute oral toxicity with Gro-Stop 1 % DP in the rat (Acute Toxic Class Method). Report no. 322379., NOTOX B.V. 's Hertogenbosch, The Netherlands Sponsor: Luxan B.V. Company file: TO 1029 Date of report: 2 August 2001 GLP, Unpublished Submitted by: Luxan B.V.
IIIA 7.1.2	Van de Gevel, I.A	2001 b	Assessment of acute dermal toxicity with Gro-Stop 1% DP in the rat. Report no. 322381. NOTOX B.V. 's Hertogenbosch, The Netherlands. Sponsor:Luxan B.V. Company file: TO 1030 Date of report: 2 August 2001 GLP, Unpublished Submitted by: Luxan B.V.
IIIA 7.1.4	Van de Gevel, I.A	2001 c	Primary skin irritation/corrosion study with Gro-Stop 1 % DP in the rabbit. Report no. 322403. NOTOX B.V. 's Hertogenbosch, The Netherlands. Sponsor: Luxan B.V. Company file: TO 1031 Date of report: 2 August 2001 GLP, Unpublished Submitted by: Luxan B.V.
IIIA 7.1.4	Van Huygevoort, A.H.B.M.	2001	Acute eye irritation/corrosion study with Gro-Stop 1 % DP in the rabbit Report no. 322392 NOTOX B.V. 's Hertogenbosch, The Netherlands. Sponsor: Luxan B.V. Company file: TO 1046 Date of report: 11 September 2001 GLP, Unpublished Submitted by: Luxan B.V.
IIA 5.2/03	Scott, A	2003	Chlorpropham; Acute Reference Dose study by oral capsule administration to female beagle dogs. Sponsor Aceto Agricultural Chemicals Corporation /Luxan BV Final draft report MVX 002/033270, dd. 31-07-03 GLP, unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.

B.7 Residue data

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/07	Schulz, J.	1999	Final report on 7 trials investigating the efficacy and the residueal behaviour of NeoStop (CIPC 1% DP) after application of 1.5 kg/ton on potatoes under storage conditions (field report). Agroplan Sponsor: Chimac-Agriphar S.A. Company file: AGR/RP-K 98/Neo Stop 2 Date of report: September 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/08	Roland, L.	1998	Decline curve of chlorpropham residues in potatoes (entire tubers and peeled potatoes), Commercial product: NeoStop (CIPC 1%). BPL B.E.A.Gx-C.A.P Sponsor: Chimac-Agriphar S.A. Company file: 5-CAGPOT97/10 Date of report: September 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/09	Reynens, P.	1998	Residue of chlorprophame (degradation curve) in potatoes following one application of 1,5 CIPC 1% DP on tubers before storage- Belgium, Season 1997-1998. Redebel Sponsor: Chimac-Agriphar S.A. Company file: G01-98 Date of report: November 26th 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/10	Brielbeck, B and D. Marx	1999 Draft!	Residue analysis of chlorpropham in potato tubers following one application of 1.5 kg/t NeoStop (Chlorpropham 1% DP) in Germany: 7 trials. Stähler Agrochemie Sponsor: Chimac-Agriphar S.A. Company file: AB 95395-RU-010F Date of report: 13-12-1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/11	Schulz, J.	1999	Final report on investigating the efficacy and the residueal behaviour of NeoStop (CIPC 1% DP) after application of 1.0 kg/ton on potatoes under storage conditions (field report). Agroplan Sponsor:: Chimac-Agriphar S.A. Company file: AGR/RP-K 98/Neo Stop 1 Date of report: August 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/12	Brielbeck, B and D. Marx	1996	Determination of chlorpropham in unpeeled potatoes. Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010 Date of report: 13-12-1996 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/13	Brielbeck, B and D. Marx	1996	Determination of chlorpropham in peeled potatoes. Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010A Date of report: 10-12-1996 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/11	Schulz, J.	1996	Final report about testing the residual behaviour if CIPC 1% DP (Neo-Stop) in potatoes under storage conditions (field report). Agroplan Sponsor:: Chimac-Agriphar S.A. Company file: AGR/RP-K 96/ASU Neo-Stop Date of report: 23-07-1996 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/14	Brielbeck, B and D. Marx	1999 Draft!	Residue analysis of chlorpropham in potato tubers following one application of 1.0 kg/t Neo Stop (Chlorpropham 1% DP) in Germany: 4 trials. Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010E Date of report: 13-12-1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/15	Roland, L.	1998	Decline curve of chlorpropham residues in potatoes (entire tubers and peeled potatoes), Commercial product: NeoStop L 500(CIPC 500g/l HN). BPL B.E.A.Gx-C.A.P Sponsor:: Chimac-Agriphar S.A. Company file: 5-CAGPOT97/10 Date of report: October 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/16	Nassoy, G.	1998	Chlorpropham residue levels on potato after several fogging applications of NeoStop L500 in a commercial long term storage in the north of France (field report). Promo-Vert Sponsor:: Chimac-Agriphar S.A. Company file: 97 H PT AG P/C Date of report: 1December 1998 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/17	Brielbeck, B and D. Marx	1999	Residue analysis of chlorpropham in potato tubers following two fogging application of Neo Stop L500 (CIPC 500 g/l HN) in Belgium (7 trials: 1 degradation row and 6 harvest values). Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010C Date of report: 13-12-1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/18	Reynens, P.	1999	Residue of chlorprophame (decline) in potatoes following one or two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G09-99 Date of report: November 5th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/19	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G10-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/20	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G11-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/21	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G12-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/22	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G13-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/23	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G14-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/24	Reynens, P.	1999	Residue of chlorprophame in potatoes following two fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G15-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/25	Reynens, P.	1999	Residue of chlorprophame (decline) in potatoes tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G19-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/26	Reynens, P.	1999	Residue of chlorprophame in potato tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G18-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/27	Reynens, P.	1999	Residue of chlorprophame in potato tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G17-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/28	Reynens, P.	1999	Residue of chlorprophame in potato tubers following four fogging applications of CIPC 500 g/l HN in potato storage place - Belgium, Season 98-99 (field trial report). Redebel Sponsor:: Chimac-Agriphar S.A. Company file: G16-99 Date of report: November 8th 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/29	Self, M.M.	1999	Decline residual trial on stored potatoes in the UK. 1998-1999 (field phase). Levington Agriculture Sponsor:: Chimac-Agriphar S.A. Company file: LA Project No. 99115 Date of report: November 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/30	Self, M.M.	1999	Classic residue trial on stored potatoes in the UK 1998-1999 (field phase). Levington Agriculture Sponsor:: Chimac-Agriphar S.A. Company file: LA Project No. 99114 Date of report: November 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/31	Nassoy, G.	1998	Chlorpropham residue levels on potato for non processed use after four fogging applications of NeoStop L500 in an experimental long term storage in the north of France on Nicola variety (field report). Promo-Vert Sponsor:: Chimac-Agriphar S.A. Company file: 98 H PT AG P/G Date of report: 19 October 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/31	Nassoy, G.	1998	Chlorpropham residue levels on potato for non processed use after four fogging applications of NeoStop L500 in an experimental long term storage in the north of France on Bintje variety (field report). Promo-Vert Sponsor:: Chimac-Agriphar S.A. Company file: 98 H PT AG P/F Date of report: 19 October 1999 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/32	Brielbeck, B and D. Marx	2000	Residue analysis of chlorpropham in potato tubers following 4 fogging applications of Neo Stop L500 (CIPC 500 g/l HN) in Belgium, France and England (9 trials: 1 degradation row and 5 harvest values). Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010B Date of report: 25-02-2000 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/33	Brielbeck, B and D. Marx	2000	Residue analysis of chlorpropham in potato tubers following one application of 1 kg/t Neo Stop (Chlorpropham 1% DP) in Germany: 4 trials. Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010E Date of report: 09-02-2000 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.3/34	Brielbeck, B and D. Marx	2000	Residue analysis of chlorpropham in p[otato tubers following one application of 1.5 kg/t Neo Stop (Chlorpropham 1% DP) in Germany: 7 trials. Stähler Agrochemie Sponsor:: Chimac-Agriphar S.A. Company file: AB 95395-RU-010F Date of report: 09-02-2000 GLP, unpublished Submitted on behalf of Aceto Agricultural Chemicals Corporation
IIA 6.2/12	De Bie, A.Th. H.J. and Salmon, F.G.Ch.	2001	The metabolism and disposition of [^{14}C]-Chlorpropham in the lactating goat TNO report no.: V2717 Sponsor Luxan B.V. Company file: TO 1017; Date of report: 23 July 2001 GLP, unpublished Submitted by Luxan B.V.
IIA 6.3/07	van der Meer- van den Brink	1999	Evaluation of the magnitude of residues of anti-sprouting products in potatoes. TNO

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
			TNO report no V 97.666, interim report d.d. 09-10-1997 TNO report no V 97.990, final report d.d. 16-12-1997 Sponsor: Luxan B.V. Company file : TO 798 GLP, Unpublished Submitted by: Luxan B.V.
IIA 6.3/08	Delcour, M	1999a	Residue of anti-sprouting products in potatoes Staphyt, Study no.: X 97 91 01 Sponsor Luxan B.V. Company file : TO 798 Date of report: April 1999 GLP, Unpublished Submitted by: Luxan B.V.
IIA 6.3/09	Mol	1998	Determination of residues of chlorpropham in/on potatoes after post-harvest treatment with Gro-Stop 1% DP and Gro-Stop EC , TNO report no.: V 98.763 Sponsor: Luxan B.V. Company file : TO 850 Date of report: 16-10-1998 GLP, Unpublished Submitted by: Luxan B.V.
IIA 6.3/10	Delcour, M	1999b	Luxan - anti-sprout – Potatoes Staphyt, Study no.: X 98 91 01P Sponsor: Luxan B.V. Company file : TO 850 Date of report: June 1999 GLP, Unpublished Submitted by: Luxan B.V.
IIA 6.3/11	Melkebeke, T.	1994	Residues in potatoes and processing products after treatment (Gro-Stop EC and DP) NOTOX, project no. 126359 Sponsor: Luxan B.V. Company file : TO 595 Date of report: 26-08-1994 GLP, Unpublished Submitted by: Luxan B.V.
IIA 6.3/12	Schulz, J	1995	Fianl Final report about testing the reisual residualbehaviour of Gro stop EC in potatoes under storage conditions (field report) Agroplan, AGR/RK-93LUX “Gro-stop EC” Sponsor: Luxan B.V. Company file : TO 595 Date of report: februari february 1995 GLP, Unpublished Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/13	Nowacka	1998	Determination of residues of chlorpropham in potatoes. Residue analysis of chlorpropham in potatoes treated with Gro-Stop 1% DP Plant Protection Institute Poland Sponsor: Luxan B.V. Company file : TO 823 not GLP, Unpublished Submitted by: Luxan B.V.
IIA 6.4/03	Mol, J.G.J. and Beelen, G.M.	2001	Livestock feeding study with chlorpropham in lactating dairy cows. TNO report no V3272/01 Sponsor: Luxan B.V. Company file: TO 1018 Date of report: 26 July 2001 GLP, unpublished Submitted by: Luxan B.V.
IIA 6.5/03	Roland, L	2000	Influence of peeling and microwave, pressure and water cooking on chlorpropham residues in potatoes; commercial product: Neo-Stop (CIPC 1% DP) BEAGx, report no. 5-CAGPOTCK00/20 Sponsors: Aceto Agricultural Chemicals Corporation/Chimac-Agriphar S.A. . Date of report: 16-05-2001 GLP, unpublished Submitted by Aceto Agricultural Chemicals Corporation
IIA 6.9/01	Gaston, C.P.	2001	Probabilistic acute intake assessment for residues of chlorpropham in/on potatoes. Novigen Sciences Inc. Sponsors: Aceto Agricultural Chemicals Corporation/ Chimac-Agriphar S.A. Date of report: 13-12-2001 Unpublished Submitted by Aceto Agricultural Chemicals Corporation

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA 6.3/9	Quirijns, J.K.	2003	Distribution of chlorpropham on individual potatoes in samples from bulk stores. *Draft report* TNO, TNO report no.: V5092 Company file: -; Sponsors Luxan BV/ Aceto Agricultural Chemicals Corporation Date of report: 1 April 2003 GLP, unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation
IIA 6.3/9	Schirring, W.and de Vries, R.G.	2003	Outline of the study: Distribution of CIPC on individual potatoes in samples from bulk stores. Sponsor: Luxan B.V./Aceto Agricultural Chemicals Corporation Company file: -; Date of report: 6 June 2003 Non-GLP, unpublished Submitted by Luxan B.V. and Aceto Agricutural Chemicals Corporation

B.8 Environmental fate and behaviour

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA, 7.2.1	Barnes, S.P.	2001	CIPC (chlorpropham) assessment of ready biodegradability- modified sturm test Huntingdon Life Sciences, Report Number AAC012/012641 Sponsor Aceto Agricultural Chemicals Corporation Date: 21 May 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation
IIA, 7.2.1.3.2	De Vette, H.Q.M. Hanstveit, A.O.	1999	A water/sediment degradation study of chlorpropham techn. using [^{14}C]chlorpropham (CTB Guideline section G.2.1, BBA Guideline IV, 5-1 and OECD draft document. TNO Nutrition and food research, Sponsor Luxan B.V. Report Number V99.141 Date: 22 November 1999 GLP, Unpublished Company file: TO 943 Submitted by: Luxan B.V.
IIA, 7.2.1.3.2	De Vette, H.Q.M.	2000	A water/sediment degradation study of chlorpropham techn. using [^{14}C]chlorpropham; identification of two metabolites in extracts from a test with sediments from the Kromme Rijn river TNO Nutrition and food research, Sponsor Luxan B.V. Report Number V99.1150 Date: 8 September 2000 GLP, Unpublished Addendum to company file: TO 943 Submitted by: Luxan B.V.
IIA, 7.2.1.3.2	Heintze, A.	2001	Degradation and metabolism of chlorpropham in two Water /Sediment Systems under Aerobic Conditions-laboratory test. Sponsor: Aceto Agricultural Chemicals Corporation GAB Biotechnologie GmbH & IFU Umweltanalytik GmbH, Report Number 20001266/01-CUWS Date: 8 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation
IIIA 9.2.3	Dunkel, M.	1999	Sampling of water and activated sludge from potato processing industries for determination of residues of chlorpopham GAB Biotechnologie GmbH & IFU Umweltanalytik GmbH, Sponsor Luxan B.V. Report number 99200/02-ESWW Date: 2 December 1999 GLP, Unpublished Company file: TO 942 Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIIA 9.2.3	Brielbeck, B., Marx, D.	1999 a	Residue analysis of chlorpropham in potato washing water and sewage plant water outlet Stähler Agrochemie GmbH, Sponsor Luxan B.V. Report number AB 95395-RU-010G Date: 29 November 1999 GLP, Unpublished Company file: TO 942 Submitted by: Luxan B.V.
IIIA 9.2.3	Balluf, M	2002	Monitoring of waste water from potato processing industries for determination of residues of chlorpropham (CIPC) Date: 6 June 2002 Sponsors: Luxan B.V./ Aceto Agricultural Chemicals Corporation Company file no: TO 1146 Submitted by Luxan B.V./ Aceto Agricultural Chemicals Corporation
IIIA 9.2.3	Brielbeck, B., Marx, D.	1999 b	Residue analysis of chlorpropham in sewage plant sludge Stähler Agrochemie GmbH, Report number AB 95395-RU-010H Date: 29 November 1999 GLP, Unpublished Company file: TO 942 Submitted by: Luxan B.V.
IIIA, 9.2.3	Oellrich, W.	2001	Estimation of the predicted environmental concentration in surface waters GAB Consulting GmbH Sponsor Aceto Agricultural Chemicals Corporation Date: November 2001 Non GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation

B.9 Ecotoxicology

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA, 8.1.3	Johnson, A.J.	2001	CIPC (chlorpropham) Assesment to determine the effects on reproduction in the Bobwhite Quail Huntingdon Life Sciences Ltd, Report number: AAC007/003915 Sponsor Aceto Agricultural Chemicals Corporation /Luxan BV Date: 11 December 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.
IIA, 8.2.2.2	Hooftman, R.N., Van Drongelen-Sevenhuijsen, D., Borts, B.	1999	Semi-static Early Life Stage test with Chlorpropham techn. and the zebra fish *Brachydanio rerio* (OECD Guideline no. 210) TNO Nutrition and Food Research Institute, Sponsor Luxan B.V. Report number V98.1131 Date: 2 August 1999 GLP, Unpublished Company file: TO 945 Submitted by: Luxan B.V.
IIA, 8.2.3	Caldwell, E.	2001	^{14}C-chlorpopham bioconcentration in Rainbow trout Huntingdon Life Sciences Ltd, Report number: AAC 008/012832 Sponsor Aceto Agricultural Chemicals Corporation/ Luxan BV Date: 8 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.
IIA, 8.2.5	Hooftman, R.N., Van Drongelen-Sevenhuijsen, D., Borts, B.	1999	Semi-static reproduction test with Chlorpropham techn. and the crustacean species *Daphnia magna* (Guidelines: OECD revised draft no. 202 and EU New Draft) TNO Nutrition and Food Research Institute, Sponsor Luxan B.V. Report number V98.1132 Date: 9 September 1999 GLP, Unpublished Company file: TO 946 Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA, 8.2.6	Firth, K.A.	2001a	CIPC (chlorpropham) Algal Growth inhibition Assay Huntingdon Life Sciences Ltd, Report number: AAC011/013291 Sponsor Aceto Agricultural Chemicals Corporation/Luxan BV Date: 7 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.
IIA, 8.2.8	Bogers, M.	2000	Aquatic plant toxicity test using Lemna minor with chlorpopham technical NOTOX B.V., Project number: 289924 Date: November 2000 GLP, Unpublished Company file: TO 992 Submitted by: Luxan B.V.
IIA, 8.2.8	Firth, K.A.	2001b	CICP (chlorpopham) Higher plant (*Lemna*) growth inhibition test Huntingdon Life Sciences Ltd, Report number AAC010/013528 Sponsor Aceto Agricultural Chemicals Corporation Date: 7 November 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation
IIA, 8.3.2	Geuijen, W.H.C.	2000a	Effects of CIPC formulation I and CIPC formulation II on survival and reproduction of the parasitic wasp *Aphidius rhopalosiphi* in the laboratory NOTOX B.V., Sponsor Luxan B.V. Project number 280878 Date: January 2000 Non GLP, Unpublished Company file: TO 965 Submitted by: Luxan B.V.
IIA, 8.3.2	Geuijen, W.H.C.	2000b	Effects of CIPC formulation II and CIPC formulation III on survival and reproduction of the parasitic wasp *Aphidius rhopalosiphi* in the laboratory NOTOX B.V., Sponsor Luxan B.V. Project number 285784 Date: March 2000 Non GLP, Unpublished Company file: TO 966 Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA, 8.3.2	Geuijen, W.H.C.	2001a	Effects of Chlor-IPC 400 EC on survival and reproduction of the parasitic wasp *Aphidius rhopalosiphi* (combined laboratory and extended laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 324067 Date: October 2001 GLP, Unpublished Company file: TO 1049 Submitted by: Luxan B.V.
IIA, 8.3.2	Geuijen, W.H.C.	2001b	Effects of Chlor-IPC 400 EC on the survival and reproduction of the phytoseiid mite *Typhlodromus pyri* Scheuten (laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 322594 Date: August 2001 GLP, Unpublished Company file: TO 1028 Submitted by: Luxan B.V.
IIA, 8.3.2	Geuijen, W.H.C.	2001c	Effects of Chlor-IPC 400 EC on survival and food consumption of the carabid beetle *Poecilus cupreus* (laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 322572 Date: August 2001 GLP, Unpublished Company file: TO 1033 Submitted by: Luxan B.V.
IIA, 8.3.2	Geuijen, W.H.C.	2001d	Effects of Chlor-IPC 400 EC on survival and reproduction of the green lacewing *Chrysoperla carnea* (laboratory test) NOTOX B.V., Sponsor Luxan B.V. Project number 322583 Date: September 2001 GLP, Unpublished Company file: TO 1050 Submitted by: Luxan B.V.
IIA, 8.4.1	Van Erp, Y.H.M.	2000	Acute toxicity study in the earthworm with chlorpropham technical NOTOX B.V., Sponsor Luxan B.V. Project number 295379 Date: August 2000 GLP, Unpublished Company file: TO 974 Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIA, 8.5	De Vette, H.Q.M, Aalderink, G.H.	1999	The assessment of the effects of chlorpropham techn. on the nitrogen mineralisation activity of soil microorganisms (CTB Guideline scetion H.4.1/Draft OECD) TNO Nutrition and Food Research Institute, Sponsor Luxan B.V. Report number V99.113 Date: 26 November 1999 GLP, Unpublished Company file: TO 953 Submitted by: Luxan B.V.
IIA, 8.6; IIIA, 10.8	Clay, D.V., Makepeace, R.J.	2001	A review of available data on the effect of chlorpropham on non target and target higher plants Oxford Agricultural Consultants Ltd., Report number AL/OAC/1201 Sponsor Aceto Agricultural Chemicals Corporation/Luxan Non GLP, Unpublished Date: 14 December 2001 Submitted by Aceto Agricultural Chemicals Corporation and Luxan B.V.
IIA, 8.7	Barnes, S.P.	2001	CIPC (chlorpropham) Activated Sludge-Respiration Inhibition Test Huntingdon Life Sciences Ltd, Report number AAC009/004703 Sponsor Aceto Agricultural Chemicals Corporation Date: 4 May 2001 GLP, Unpublished Submitted by Aceto Agricultural Chemicals Corporation
IIA, 8.7	Desmares-Koopmans, M.J.E.	1998	Activated sludge respiration inhibition test with chlorpropham techn. NOTOX B.V., Sponsor Luxan B.V. Project number 236363 Date: June 1998 GLP, Unpublished Company file: TO 838 Submitted by: Luxan B.V.
IIIA, 10.2.1	Migchielsen, M.H.J.	2001a	Fresh water algal growth inhibition test with chlor-IPC 400 EC NOTOX B.V., Sponsor Luxan B.V. Project number 322559 Date: July 2001 GLP, Unpublished Company file: TO 1022 Submitted by: Luxan B.V.

Annex point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No. GLP or GEP status (where relevant) Published or not
IIIA, 10.2.1	Migchielsen, M.H.J.	2001b	Acute toxicity study in *Daphnia magna* with chlor-IPC 400 EC (static) NOTOX B.V., Sponsor Luxan B.V. Project number 322548 Date: August 2001 GLP, Unpublished Company file: TO 1035 Submitted by: Luxan B.V.
IIIA, 10.2.1	Migchielsen, M.H.J.	2001c	96-hour acute toxicity study in carp with chlor-IPC 400 EC (semi-static) NOTOX B.V., Sponsor Luxan B.V. Project number 322537 Date: September 2001 GLP, Unpublished Company file: TO 1048 Submitted by: Luxan B.V.
IIA, 8.3.2	Geuijen, W.H.C.	2002 a	Dose response toxicity study in the parasitic wasp *Aphidius rhopalosiphi* with CHLOR-IPC 400 G/L EC (laboratory test) October 28, 2002 NOTOX, Sponsor Luxan B.V. Report No. 354623 Company file: TO 1192 GLP, Unpublished Submitted by: Luxan B.V.
IIA, 8.3.2	Geuijen, W.H.C.	2002 b	Dose response toxicity study in the predatory mite *Typhlodromus pyri* with CHLOR-IPC 400 G/L EC (laboratory test) October 15, 2002 NOTOX, Sponsor Luxan B.V. Report No. 354634 Company file: TO 1193 GLP, Unpublished Submitted by: Luxan B.V.

APPENDIX IV

List of uses supported by available data

CHLORPROPHAM

Crop and/or situation (a)	Member State or Country	Product name	F G or I (b)	Pests or Group of pests controlled (c)	Formulation		Application				Application rate per treatmer			PHI (days) (l)	Remarks: (m)
					Type (d-f)	Conc. of as (i)	method kind (f-h)	growth stage & season (j)	number min max (k)	interval between applications (min)	kg as/hl min max	water l/ha min max	kg as/ha min max		
potatoes (fresh and processing	Northern and Southern Europe	Gro-Stop 300 NeoStop L500 HN	I	sprout suppression	HN	300 g/L 500 g/L	spraying by means of hot fogging equipment directly into stores	before sprouting up to 12 months of storage at 4-10 ˚C	1-8	start 2-4 weeks after storage/loading; interval max. 1-2 months	n.a.	n.a.	1st 7.5-12 g as/tonne 2nd to 8th 3.75-8 g as/tonne total max 36 g	0	based on residues, PHI of 0 days is proposed

Crop and/or situation (a)	**Member State or Country**	**Product name**	**F G or I** (b)	**Pests or Group of pests controlled** (c)	**Formulation**		**Application**				**Application rate per treatmer**			**PHI** (days) (l)	**Remarks:** (m)
					Type (d-f)	Conc. of as (i)	method kind (f-h)	growth stage & season (j)	number min max (k)	interval between applications (min)	kg as/hl min max	water l/ha min max	kg as/ha min max		
													as/tonne		

Crop and/or situation (a)	Member State or Country	Product name	F G or I (b)	Pests or Group of pests controlled (c)	Formulation		Application				Application rate per treatmer			PHI (days) (l)	Remarks: (m)
					Type (d-f)	Conc. of as (i)	method kind (f-h)	growth stage & season (j)	number min max (k)	interval between applications (min)	kg as/hl min max	water l/ha min max	kg as/ha min max		
flower bulbs: crocus, hyacinth, iris, narcissus, tulip	Northern Europe	Chlor-IPC 400 EC Aliacine 400 EC	F	weeds	EC	400 g/L	spraying	pre-emergence	1 2	2 months			2.4 1.2	n.a.	
flower bulbs: gladiolus, lily, corm lets (gladiolus)	Northern Europe	Chlor-IPC 400 EC Aliacine 400 EC	F	weeds	EC	400 g/L	spraying	pre-emergence	1	-			2.4	n.a	
nursery stock	Northern Europe	Chlor-IPC 400 EC Aliacine 400 EC	F	weeds	EC	400 g/L	spraying	when trees are dormant	1	-			1.6-2.4	n.a.	

Crop and/or situation (a)	Member State or Country	Product name	F G or I (b)	Pests or Group of pests controlled (c)	Formulation		Application				Application rate per treatmer			PHI (days) (l)	Remarks: (m)
					Type (d-f)	Conc. of as (i)	method kind (f-h)	growth stage & season (j)	number min max (k)	interval between applications (min)	kg as/hl min max	water l/ha min max	kg as/ha min max		
ornamentals	Northern Europe	Chlor-IPC 400 EC Aliacine 400 EC	F	weeds	EC	400 g/L	spraying	during dormancy period	1	-			1.6-2.4	n.a.	
amenity vegetation	Northern Europe	Chlor-IPC 400 EC Aliacine 400 EC	F	weeds	EC	400 g/L	spraying	when trees are dormant	1	-			1.6-2.4	n.a.	
flower crops and flower seed-growing	Northern Europe	Chlor-IPC 400 EC Aliacine 400 EC	F	weeds	EC	400 g/L	spraying	pre-emergence	1	-			1.6-2.4	n.a.	

Remarks :

(a) For crops, the EU and Codex classifications (both) should be used; where relevant, the use situation should be described
(b) (*e.g.* fumigation of a structure)
(c) Outdoor or field use (F), glasshouse application (G) or indoor
(d) application (I)
(e) *e.g.* biting and suckling insects, soil born insects, foliar fungi,
(f) weeds
(g) *e.g.* wettable powder (WP), emulsifiable concentrate (EC),
(h) granule (GR)
GCPF Codes - GIFAP Technical Monograph No 2, 1989
All abbreviations used must be explained
Method, *e.g.* high volume spraying, low volume spraying, spreading, dusting, drench
Kind, *e.g.* overall, broadcast, aerial spraying, row, individual plant, between
the plants - type of equipment used must be indicated
(i) g/kg or g/l
(j) Growth stage at last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4),
including where relevant, information on season at time of
(k) application
The minimum and maximum number of application possible
(l) under practical conditions of use must be provided
(m) PHI - minimum pre-harvest interval
Remarks may include: Extent of use/economic importance/restrictions