UNITED NATIONS



United Nations Environment Programme

Food and Agriculture Organization

Distr. GENERAL

UNEP/FAO/PIC/ICRC.3/15/Add.2 7 February 2002

ENGLISH ONLY

INTERIM CHEMICAL REVIEW COMMITTEE Third session Geneva, 17 – 21 February 2002 Item 6 (a) of the provisional agenda •

of the United Nations

INCLUSION OF CHEMICALS IN THE INTERIM PRIOR INFORMED CONSENT PROCEDURE -REVIEW OF NOTIFICATIONS OF FINAL REGULATORY ACTIONS TO BAN OR SEVERELY RESTRICT A CHEMICAL

Dinoterb

Note from the secretariat

1. Annexed to this note is additional documentation provided by the Designated National Authority of Thailand to the Chair of the Task Group of the Interim Chemical Review Committee, Mr. M. Debois, in support of their notification of final regulatory action on dinoterb.

• UNEP/FAO/PIC/ICRC3/1

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COMMISSION EUROPÉENNE

DG DEVELOPPEMENT

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Politique de Développement et Questions seclorielles Environnement et Développement rural

> Bruxelles, le 06/02/02 D(2002)

TELECOPIE							
Destinataire:	B. Murray/ G. Wyrwald	Téléphone: + 34	66)57057753				
	Secrétariat Convention de Rotterdam (FAO)	•	9(06)5705634				
Expéditeur:	Marc Debois	Téléphone:	(32 - 2)2990349				
	G-12 5/48	Télécopieur:	(32-2)2992908				
Nombre de pages:	1+14						
Objet:	ICRC – 3 / DNOC and Dino	tərb					

Message:

Bill, Gerold,

As coordinator for the Task Group on DNOC and Dinoterb, I received from Thailand additional information which was used by the Thaï Committee to take the regulatory actions concerning the two active substances.

The information is of importance for the discussions of the Committee, so I ask you to make it available to the Committee, if possible before the meeting.

Best regards,

Marc Debois

PS : Could you please let me know if appropriate equipement will be available for power point presentation (also on Saturday 16)? Thanks.

	J. Foley (sans annexes)
3(231) 9071611	656117

Commission européenne, B-1049 Bruxelles - Belgique, Téléphone: (32-2)299 11 11. Bureau: G-12 5/48. Téléphone: ligne directe (32-2)2990349. Télécopieur: (32-2)2992908.

E-mail: marc.debois@cec.eu.int

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ACA 1	

Department of Agriculture Chatuchak, Bangkok 10900, THAILAND Tel.: (662) 5793579, 9405390 Fax.: 662-5614695

FAX NO. :

To: Mr. Julian FOLEY,

Date: b. Feb. 02

Fax No : 322 - 295,6117

From : Dr. Nuansri Tayaputch

Director, Division of Agricultural Toxic Substances

Fax No.: (662) 5614695

Dear

P1

(COPY)

No. AC 0912/ 779

:::

Department of Agriculture, Chatuchak, Bangkok 10900 Thailand Tel:66-2-5793577 Fax:5614695

06/02 '02 MER 10:49 [TX/RX N 7600] 06/02 '02 MER 12:53 [TX/RX N° 9008]

CECAN6010031--08 DG8E6 CECANDU10053--11

Dear Sir,

Subject : Rotterdam Convention - dinoterb and DNOC - ICRC 3 discussions

Please refer to your facsimile message dated 22 January 2002. I'm attaching herewith the papers that Department of Agriculture submitted to the Hazardous Substances Committee. These papers are submitted as information papers for the committee to make decision whether the proposed chemicals should be banned or not.

Dr. Nuansri Tayaputch, Director of Agricultural Toxic Substances Division of our Department is a person I wish to recommend you to include in the consultation. She is preparing to get approval from the Ministry to attend the third ICRC.

With kind regards.

Yours sincerely,

Mr.Somsak Singholka Director General Department of Agriculture

Mr. Julian FOLEY, C-3-Chemicals, BUS 2/55, European Commission, Directorate-General, Environment, Rue de la Loi 200, B-1049 Bruxelles/Wetstraat 200, B-1049 Brussel, BELGIUM

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30 มกาาคม 2545

06/02 '02 MER 10;49 [TX/RX N° 7600]

(16/02 '02 MER 12:53 [TX/RX N° 9008]

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tal Fate	Non-larget	- toxic to	bees				- 117							•
Environmen fal	Bleacenmulation	98 % is	excreted in the	faces and	urine within 7	ciay s								
	l'erstance	F												
\int	Non-user	i					4. 6		:					
Exposur	User	÷		7		-	. •							
	Occupational II.	8											-	
	Special		<u>, - 1 - 944</u>		5 				<u> </u>	<u> </u>				
Toxicity	Chronic	NOBL:	(rata, 2y.)	0.175	mg/kg dict			1						
	Acute	Oral (mouse) : LD _{so} NOEL :	62 mg/kg	Percutancous	(guinea-pigs) :	gaight of the second								
Name		dincterb			1									
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Criteria to Categorize the Type of Hazardous Substances According to Hazardous Substances Act (B.E. 2535)

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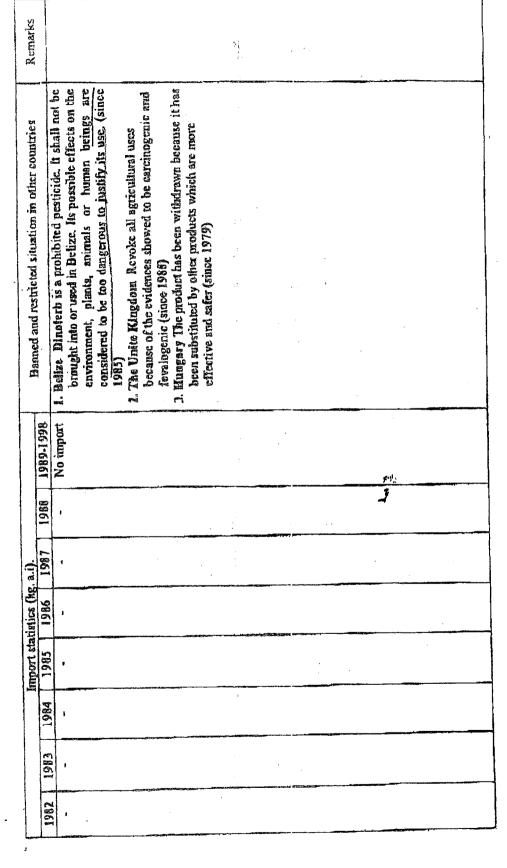
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JEU 11:00 FAX 32 2 2992908 CECAN6010031--08 CECAN6010063--11 DG8E6 32 2 2992908 FROM : FAX ND. : Dec. 17 1999 26:08AM P11 Tu dinoterb Herbicide ٦ dinitrophenol лŊ; OH NÓ C(C) 1,), NOMENCLATURE dinaterb Cammon name dinoterb (155), E-150); dinoterbe ((11) F-150) IUPAC name 2-tert-butyl-4,6-dinitrophonol Chernical Abstracts name 2-(1,1-dimethylethyl)-1.6-dinitrophenol CAS RN [1420-07-1] EEC no. 215-8"3-0 Development codes LS63 133 (Rhône-Poulenc); P 1100 (Murphy) dinoterb-annionium CAS RN [6365-83-9] dinoterb acctate CAS RN [3201-27-1] PHYSICAL CHEMISTINY dinaterb Möl. Wt. 240.2 M.I. C₁₀H₁₂N₂O₅ Form Fale yellow solid with a phenol-like (pH 5, 20 °C). In cyclohexanone, ethyl acetate, dimethyl sulfoxide c. 200 (all in g/kg). In alcohols, glycols, aliphatic hydrocarbons c. 100 (all in g/kg). Soluble in aqueous alkalis with the formation of salts. Stability Stable below the melting point. Decomposes above 220."C. Stable at least 34 d at pl-1 5-9 (22 °C). dinoterb-ammonium Mol. wt. 257.2 H.f. C10H15N2O5 dinoterb-dialomine Mol. wt. 345.4 M.f. Chilly, N1Oy Solubility in water 32.0 g/l. dinoterb acetate Υ. Mol. wt. 282.3 M.I. C12 1111 N206 COMMERCIALISATION History Herbicide reported by G. A. Emery et al. (Proc. Conf. EWRC/COLUMA, 2nd, 1965, p. 41 for acctate) and by P. Poignant & P. Crisinel (C. R. Journ.' Eud. Herble, Conf. COLUMA, 4th, 1967, p. 196). Introduced by Pépro (now a subsidiary of Rhone-Poulenc Agrochimic) and by Murphy Chemical Ltd (who no longer manufacture or market it). Patent FR 1475686: FR 1532332: GB 1126658: US 3565601 all to Pépro - Manufacturiers Rhône-Poulenc

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APPLICATIONS

Blochemistry Oxidative phosphorylation uncoupler. Mode of action Selective non-systemic harbicide with contact action. Uses Control of annual broad-leaved weeds post-emergence in cereals, molze, alfaifa, and beet; and pre-emergence in peas and beans. Also used for destruction of potato haulms. Formulation types -SL; EC. Mixtures (dinoterb +) isoproturon; mecoprop. Selected tradenames 'Herbegil' (Rhône-Poulenc)

ANALYSIS

Product analysis by glc of a derivative (CIPAC Hamiltonk, 1983, 18, 1797). Residues by glc, details available from Riséne-Pouleire Agrochimie.

MAMMALIAN TOXICOLOGY

dineterb

Oral Acute oral LD₅₀ for rats 62, mice 25, rabbits 28 mg/kg. Sidn and eye Acute percutaneous LD₅₀ for guinea pigs 150 mg/kg. NOEL (2 y) for rats 0.375 mg/kg diet. Toxicley class WHO (a.i.) ib EC risk (R61): T (also R24/25): XI (R36); (R44); (salts and esters are (R61)); T (also R23/24/25)

ECOTOXICOLOGY

dinaterb

Fish LCso (96 h) for rainbow trout 0.0034 mg/1. - Bees Toxic to bees.

ENVIRONMENTAL PATE

Animals in rats, following oral administration, 98% is excreted in the faces and urine within 7 days.

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1		ይሮአ	CHEMICAL PROFIL	L <u>P</u> arastan and a state					
			· .	Date: C Revisio	oni Nav	31, 190 ember 30	15), 1987		
CHEMIC	al identity	- DINOTERB	•	• •		1			
	t	LE: 1420-07-1			•	•			
Phenol	ophensl; 2-0 , 2-(1,1-Di	tert-Butyl-4,6 methylethyl)-4	-Dinitrephenol .G-Dinitro-; P	(2,1-Dimethyles : Dinoterba: D hensl, Z-tort-) ; Varaline Cra	NTDD; H Buty]-A	1			
Chemic	al Fermula:	C10112N203			•	1			
A. Molecu	lar Weight:	240.24		-					
SECTIC	N I REGU	Latory inform	VIION	e se state e		·			
	CERCLA (SAR	A) 1986: .				·	•		
· ·	Tonici (mouse	ty Value Used) 25 mg/kg (*)	for Listing Un (IOSH/RTECS 198	ider Section 30. 15)	2: LD!	50 czal			
	•	00/10,000 (por							
و بو مسلم المليس ال		(pounds) tetutory, for	notification u	undas SNNA sout	10n 30	, 4 (a) (2))			
	Sectio	n 313 Listed	(Yes or No)! No		•	e			
Sectio	n II Elly	SICAL/CHEMICA	. Characteristi	165		• .			
. 🛞 🛯	ysical Stat	e: solid		· _	1 *.				•
└_́ Вс	iling Point	: Not Found	. 1 F	10 - ¹ - 1 - 1		,			
S	pecific Grav	ity (H20=1);	Net Found				•		
v.	por Pressur	e' (manig): No	t Found						
ĸ	elting Point	:: 259£, 1260	(*Worthing 19	79)					
v	apor Density	(AIR=1): No	t Found						
E	vaporation 1	Rate (Butyl ac	etateml): Not	Found	,				
\$	olubilicy in	n Water: · Fran	tically insolu	ble (*Wozching	1979).				
			ow salid (*Nor	•	۰		v	-0	
SECT1	on III H	ealth Hazard	DATA						
c	SHA PEL: N	ot Found		•		•	,		
. 2	CGIN TLV:	Not Pound							
	Dlii Not E	ound				-			
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FRDM	FAX NO, : Dec. 17 1999 DE DOM DE C	
- 12 - 12 		
·	Other Limits Recommended: Not Found	
en e	. Routes of Entry: Inhalation: Tes (Non-Specific Dinitro-o-Cresol)	
	Skin: Yes (Non-Specific Dipthrough A.	
	1980, p. 152-153) Indestion: Yes (Non-Specific Dinitro-o-Creaol) (ACGTH 1988 - JNC Creaol)	
	C. 19991 (1900) br 193-193)	
	Nealth Haxards (Acuto, Belayed, and Chronic): This compound is toxic by all routes of expersure. The dangerous single eral dose of dimitro-o- oresol, a structurally similar compound (*Rumack 1975 to Present), is estimated to be about 28 mg/kg (Mayas 1902, p. 469).	
,	Medical Conditions Generally Aggravated by Exposure: Not Found	• •
	Section IV Fire and explosion havard data.	
	Flash Point (Method Usedi, Not Found	
	Flammable Lindta: LEL: Not Found	
•	UEL: Not Found	
Ľ	Extinguishing Mothods: (Non-Specific Dinitre-o-drood) Use dry chamical, carbon dioxide, water apray, or foom for small fires, and water spray, fog, or foam for large fires. Move containet from fire area if possible (DOT 1984, Guide 53).	
	Special Fire Fighting Procedures: (Non-Specific Dinitro-p-cresol) Isolate hazard area, stay upwind, and keep out of low areas. Wear self-contained breathing apparatus and full protective clothing (DOT 1984, Guide 53).	
	Unusual Fire and Explosion Nezerds: When heated to decomposition it emits toxic nitrogen pride fumes (Sax 1904, p. 1160).	
	NFPA Flawnability Rating: Not Found	
متعد ال _{شعر .}	Section V Reactivity Data	
(Z.).	Stability: Unstable: Not Found Stable: Not Found	
• (\$	Conditions to Avoid: Not Found	
-	Incompatibility (Matcrinia to Avoid): Not Found	
•	Nazardeus Decomposition or Syproducts: When hested to decomposition it omits toxic hitzogen exide funce (Sax 1984, p. 1160).	1
	Nazardous Folymerization: May Occur: Not Found May Not Occur: Not Found	
	Conditions to Avaid: Not Found	
	N 2	
	Section VI Use information	
	This compound is a herbicide (Farm Chemicals Handbook 1984, p. C02) and a codenticide (*Tsubuga and Kato 1974).	
	SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE (Steps to be Taken in Case Material is Related or Spilled)	
		•
	•	
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FROM :

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Avoid inhalation (see Section III above). (Non-Spacific -- Dinitro-o-Cresol) Do not touch spilled material; stop source of spill or leak if it can be done without risk. Take up small spills with sand or other noncombustible absorbent material and place into containers for later disposal. Small dry spills: with clean showel place material into slown, dry container and cover. Remove from spill area for later removal. Dike far ahead of spill for later disposel (DET 1984, Guide S3).

SECTION VIII -- FROTECTIVE EQUIVMENT FOR EMERGENCY SITUATIONS

FRX NO. :

For emergency situations, wear a positive pressure, pressure-demand, full facepiece self-contained broathing apparatus (SCNA) or pressuredemand supplied air respirator with escape SCBA and a fully-encapsulating, chemical resistant suit. See the introductory information section at the beginning of the profiles for additional information.

SECTION IN -- EMERGENCY TREATMENT INFORMATION

Signs and Symptoms of Exposured Symptoms of poisoning are similar to other dimitrophenols (*Rumack 1975 to Present) and may include nauses, gustric distress, restlessness, sensation of heat, flushed skin, eventing, thirst, deep and rapid brackhing, rapid heart rate, fever, and lack of exygen to tissues (blueness of skin) (Heyes 1902, p. 169).

Emergency and First Aid Procedures: (Non-Specific -- Dinitro-o-Cresol) Move victim to fresh air; call emergency medical care, homove and isolate contaminated shows and clothing at the site. In case of contact with material, immediately flush skin or eyes with running value for at least 15 minutos (DOT 1984, Guide 53).

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