

EUROPEAN COMMISSION DIRECTORATE-GENERAL ENVIRONMENT Directorate C – Environment and Health ENV.C.3 - Chemicals

-5 -07- 2001 Brussels, D (01) 430318

Mr. Van der Graaff
Interim Secretariat for the Rotterdam
Convention, Plant Protection Service
Plant Production and Protection
Division, FAO
Viale delle Terme di Caracalla
IT- 00100 Rome

Dear Mr Van der Graaf,

In line with Article 5 of the Rotterdam Convention and its interim procedure, I am pleased to send you herewith European Community notifications concerning final regulatory actions related to DNOC and dinoterb respectively.

These regulatory actions have been taken within the framework of an ongoing evaluation programme under Council Directive 91/414/EC concerning the placing of plant protection products on the market. I am enclosing a copy of that Directive, together with a short explanatory note about its practical application.

As can be seen from the notifications and supporting papers, the regulatory actions were taken on the basis of risk evaluations that took into account Community patterns of use and environmental conditions. These assessments were based on data generated according to scientifically recognised methods and were conducted according to generally accepted scientific principles and procedures.

I hope that this background information is helpful. However if you have any questions on this material or the notifications, please do not hesitate to let me know.

the state of the s
UNEP Chemina
Date Received: 16.3.28
For action :
Cc:
The second secon

Rue de la Loi 200, B-1049 Bruxelles / Wetstraat 200, B-1049 Brussel - Belgium. Telephone: (32-2)299 11 11. Office: BU5 2/55. Telephone: direct line (32-2) 296.55.47. Fax: (32-2) 295.61.17. P\07 \20 \pic\regactnotifications\picseccorres\faonotificationletterdnocetcrev2.doc

In view of the discussion at the last meeting of the interim Chemical Review Committee (UNEP/FAO/PIC/ICRC.2/11, paragraph 43), I should be grateful if you would forward a copy of the DNOC notification to the Designated National Authority for Peru for information.

Yours sincerely,

Julian FOLEY

Cc: Mr Willis, UNEP



Interim Secretariat for the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade



FORM FOR NOTIFICATION OF FINAL REGULATORY ACTION TO BAN OR SEVERELY RESTRICT A CHEMICAL

IMPORTANT: See instructions before filling in the form

COUNTRY: EUROPEAN COMMUNITY

(Member States: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden and United Kingdom)

PART I: PROPERTIES, IDENTIFICATION AND USES

1.	IDENTITY OF CHEMICAL	
1.1	Common name	Dinoterb
		2-tert-butyl-4,6-dinitrophenol (IUPAC)
1.2	Chemical name according to an	2-(1,1-dimethylethyl)-4,6-dinitrophenol (CAS)
	internationally recognized	
	nomenclature (e.g. IUPAC), where such nomenclature exists	
1.3	Trade names and names of	Herbogil liquid, Tolkan V, Tolkan S
1.3	preparations	
	F	
1.4	Code numbers	
1.4.1	CAS number	1420-07-1
		2908.90 - (ISO)
1.4.2	Harmonized System customs code	3808.30 - (DNTBP), put as insecticide and herbicide.
l	,	3808.30 - put as herbicide
		3808.30acetate, put as acaricide and herbicide.
1.4.3	Other numbers (specify the	EEC: 609-030-004
	numbering system)	CIPAC: 238 EINECS: 215-813-8
1.5	Indication regarding previous noti	neation on this chemical, it any
1.5.1	➤ This is a first time notification of	final regulatory action on this chemical.
1.5.2	This is a modification of a previous	as notification of final regulatory action on this chemical.
	The sections modified are:	
	This notification replaces all prev	iously submitted notifications on this chemical.
	,	

PLEASE RETURN THE COMPLETED FORM TO:

Interim Secretariat for the Rotterdam Convention Plant Protection Service Plant Production and Protection Division, FAO

Viale delle Terme di Caracalla 00100 Rome, Italy

Tel: (+39 06) 5705 3441 Fax: (+39 06) 5705 6347 E-mail: pic@fao.org \mathbf{OR}

Interim Secretariat for the Rotterdam Convention UNEP Chemicals

11-13, Chemin des Anémones CH – 1219 Châtelaine, Geneva, Switzerland Tel: (+41 22) 917 8183

Fax: (+41 22) 797 3460 /E-mail: pic@unep.ch

((UNEP/FAO/PIC/FORM/1/E/4-99)	Form - Notification of final regulatory action to ban or severely restrict a chemical - page 2
	Date of issue of the pro	evious notification:

÷

1.6 Information on hazard classification where the chemical is subject to classification requirements		
International classification systems	Hazard class	
Classification in the EU in accordance with Directive 67/548/EEC (Annex I)	T+ (very toxic). R28 (very toxic if swallowed). T (toxic). R24 (toxic in contact with skin). T (toxic, reproduction cat.2). R61 (may cause harm to the unborn child). N (dangerous for the environment). R50-53 (very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment).	
Other classification systems	Hazard class	

1.7	Use or uses of the chemical
1.7.1	⊠ Pesticide
	Describe the uses of the chemical as a pesticide in your country:
	Used as post emergence herbicide on maize, beans, peas, potatoes and sweet com.
1.7.2	☐ Industrial
	Describe the industrial uses of the chemical in your country:
	Not used

					 •
1.8	Properties				
1.8.1	Description of	f physico-chemical pro	perties of the c	hemical	

Form - Notification of final regulatory action to ban or severely restrict a chemical - page 3 (UNEP/FAO/PIC/FORM/1/E/4-99) Yellow crystals (Purity ≥ 99 %) Identity $C_{10}H_{12}N_2O_5$ Formula dinitrophenol Chemical type 240.2 Molecular weight 127.2°C Melting point decomposition above 222°C **Boiling** point 0.705 Relative density 0.97 x 10⁻³ Pa at 20°C Vapor pressure Henry's law constant 10 x 10⁻⁴ Pa x m³/mol at pH7 2.95 mg/l at pH4 Solubility in water 230 mg/l at pH 7 550 mg/l at pH 9 Solubility in organic solvents at 25 °C: n-heptane: 9 g/kg isopropanol: 9 g/kg xylene: 200 g/kg acetone: 190 g/kg ethyl acetate: 130 g/kg 3.46 at pH4 20°C Partition coefficient (log Pow) 1.91 at pH7

1.57 at pH10

Hydrolytic stability (DT₅₀) stable at pH 5 and 9 at 22°C

Photostability (DT₅₀) 14-18 days in water **Dissociation constant** pKa = 5.0 at 20°C

Full Report on dinoterb (ECCO-Team, 1348/ ECCO/BBA/97 of 14 April 1997).

1.8.2	Description of toxicological properties of the chemical
	Main properties and lack of information considered:
	- Developmental toxicity: rat, oral: NOEL embryo-foetotoxicity: 2 mg/kg bw/d (maternal NOEL: 2 mg/kg bw/d), rat, oral: NOEL embryo-foetotoxicity: 2.5 mg/kg bw/d (maternal NOEL: 2.5 mg/kg bw/d), rabbit, oral: NOEL embryo-foetotoxicity: 0.8 mg/kg bw/d (maternal NOEL: 0.8 mg/kg bw/d), rabbit, oral: NOEL embryotoxicity: 1.25 mg/kg bw/d (maternal NOEL: 1.5 mg/kg bw/d), rat, dermal: NOEL embryo-foetotoxicity: 5 mg/kg bw/d (maternal NOEL: 5 mg/kg bw/d), rat, oral: NOEL embryotoxicity: 3 mg/kg bw/d (maternal NOEL: 3 mg/kg bw/d). - No AOEL available.
	No ADI available
	Full Report on dinoterb (ECCO-Team, 1348/ ECCO/BBA/97 of 14 April 1997).

1.8.3	Description of ecotoxicological properties of the chemical
1.0.5	Properties and lack of information:
	a) Fate and behaviour:
	Soil: Degradation not sufficiently documented,
	Mobility: no acceptable data for field studies,
	Dinoterb is slowly degraded in water sediment (50 % in 94 days),
	b) Ecotoxity
	Serious risks to birds and mammals,
	High toxicity for fish and Daphnia was concluded,
	No information was presented for bees and other arthropods,
	The preliminary data provided indicated a risk to earthworms,
	From the data available, it was concluded dinoterb is toxic to soil micro organisms.
	Full Report on dinoterb (ECCO-Team, 1348/ ECCO/BBA/97 of 14 April 1997).

2.	FINAL REGULATOR	RY ACTION		
		⊠ banned	OR	severely restricted
2.1	The chemical is:	□ Danned		
2.2	Information specific to	the final regulatory actio	n	
2.2.1	Dinoterb is not inclu authorisations for plant months from the Com	on the market or use plant p ded as an active ingredi	ent in Annex ning dinoterb w C. From the date	I to Directive 91/414/EBC. The ere withdrawn within a period of 6 e of decision, no authorisations for
2.2.2	to Council Directive 9 containing this active s	08/269/EC of 7 April 1998 1/414/EEC and the withdra	awal of authoris	non-inclusion of dinoterb in Annex I ations for plant protection products Communities L117 of 21/04/1998,
2.2.3	6/10/1998 (Authorisation	ce of the final regulatory a ons for plant protection pro- n the date of the final regul	ducts containing	dinoterb were withdrawn within a

2.3	Was the final regulatory action based on a risk or hazard evaluation?					
	If yes, give information on such evaluation					
	It was concluded that dinoterb could not fulfil the safety requirements laid down in Article 5 (1) (a) and (b) of Directive 91/414/EEC.					
	The principal issues which laid to these overall conclusions relate mainly to conclusion under the proposed conditions of use. Additionally, important impossible to further investigate environmental safety.	nt data gaps	made it			
1	Concerns:					
	 a) Human health protection: The data available indicate a high risk or danger to health. The main problem area 	s are:				
	- Teratogenicity: dinoterb is classified as a substance which should be regar	ded as if it	impairs			
	fertility in humans (Toxic; R61: may cause harm to the unborn child). - The risk for the operator and the consumers cannot be assessed as no AOEL and	no ADI are	avalable.			
	b) Environment:		•			
	The data available indicate a high risk or danger to terrestrial and aquatic or problem areas are the toxicity to birds, earthworms, soil micro-organisms, fish and	d Daphnia.	.iic iiiaiii			
	Reference to the relevant documentation	j				
	Review Report 8083/VI/97-rev 4 of 16 December 1997, copy attached, and suppodocuments (dossier, monograph, and the peer review report under the Peer Review	rting backgrown	ound e (ECCO			
	April 1997))					
2.4	Reasons for the final regulatory action					
2.4.1	Is the reason for the final regulatory action relevant to the human health?	X Yes	□ No			
	If yes, give summary of the known hazards and risks presented by the					
	chemical to human health, including the health of consumers and workers	. ,				
	Based on available data, none of the intended uses are considered acceptable as regards operator					
	exposure to the active substance and consumers exposure to potential residues resulting from use.					
	Reference to the relevant documentation					
	Review Report 8083/VI/97-rev 4 of 16 December 1997, copy attached, and supporting background documents (dossier, monograph, and the peer review report under the Peer Review Programme					
	(ECCO, April 1997))					
	Expected effect of the final regulatory action					
	Complete risk reduction for plant protection use.					
2.4.2	Is the reason for the final regulatory action relevant to the environment?	⊠ Yes	□ No			
	If yes, give summary of the known hazards and risks to the environment					
1	High risk or danger for terrestrial and aquatic organisms.					
	Reference to the relevant documentation					
	Review Report 8083/VI/97-rev 4 of 16 December 1997, copy attached, and supporting background					
	documents (dossier, monograph, and the peer review report under the Peer Review Programme					
(ECCO, April 1997))						
	Expected effect of the final regulatory action					
	Complete risk reduction for plant protection use					
2.5	Category or categories where the final regulatory action has been taken					
2.5.1	Final regulatory action has been taken for the chemical category		strial ———			
	Use or uses prohibited by the final regulatory action		٠			
1	Not relevant.					
	Use or uses that remain allowed					
	Not relevant					

2.5.2	Final regula	ntory action has been taken for the chemical category	⊠ Pesticide			
	Formulatio					
	All applicati					
	Formulation(s) and use or uses that remain allowed					
	EU Member States may have granted a period of grace for disposal, storage, placing on the market and use of existing stocks, no longer than 18 months from the date of notification of Commission Decision Commission Decision 98/269/EC of 7 April 1998.					
2.5.3	Estimated of	quantity of the chemical produced, imported, exported and used	l, where available.			
		Quantity per year (MT)	Year			
Produ	ıced	Not available				
Impo	rted	Not available				
Exported Not available		Not available				
Used						
2.6						
	Health protection in states where the substance is used as a plant protection product, particularly for operators, especially in developing countries. A ban would also protect the general public and the environment.					
1			general public and the			
2.7	environmen		general public and the			
2.7	Other relevant		general public and the			
	Other relev	t. vant information that may cover:	general public and the			

j

 \bigcirc

PART III: GOVERNMENT AUTHORITIES

Ministry/Department and	authority responsible for issuing/enforcing the final regulatory action
Institution	European Commission
Address	Rue de la Loi 200 B-1049 Brussels
	Belgium
Telephone	+32.2.2994860
Telefax	+32.2.2956117
E-mail address	klaus.berend@cec.eu.int
	Designated National Authority
Institution	DG Environment European Commission
Address	Rue de la Loi 200 B-1049 Brussels
	Belgium
Name of person in charge	Klaus BEREND
Position of person in charge	Administrator
Telephone	+32.2.2994860
Telefax	+32.2.2956117
E-mail address	klaus.berend@cec.eu.int

	Mun Krad	•
Date, signature of DNA and official seal:	1/our Dung	

