

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

		IMPORTAN	T: See instruction	ons before filli	ng in the form	
		**				
COUNTRY:	Thailand			<u></u>		

PART I: PROPERTIES, IDENTIFICATION AND USES

1. II	1. IDENTITY OF CHEMICAL					
1.1	Common name	azinphos-ethyl.				
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists	S-(3, 4-dihydro-4-oxobenzo [d]-[1,2,3]-triazin-3-ylmethyl O,O-diethyl phosphorodithioate				
1.3	Trade names and names of Preparations	Azinugec E, Cotnion- Ethyl, Gusathion A.				
1.4	Code numbers					
1.4.1	CAS number	CAS RN [2642-71-9]				
1.4.2	Harmonized System customs code					
1.4.3	Other numbers (specify the numbering system)	EEC no. 220-147-6				

1.5	Indication regarding previous notification on this chemical, if 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 notification of final regulatory action on this chemical.
	The sections modified are:
	This notification replaces all previously submitted notifications on this chemical.
•	Date of issue of the previous notification:

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

OR Interim Secretariat for the Rotterdam Convention **UNEP Chemicals**

> 11 - 13, Chemin des Anémones CH - 1219 Châtelaine, Geneva, Switzerland

> > Tel: (+4122) 917 8183 Fax: (+4122) 797 3460 E-mail: pic@unep.ch

Information on hazard classification where the chemical is subject to classification requirements		
International classification systems	Hazard class	
WHO (Technical product)	Ib	
Other classification systems	Hazard class	
EPA (formulation)	I	
EC risk	T+ (R 28); T (R 24)	

1.7	Use or uses of the chemical
1.7.1	☑ Pesticide
	Describe the uses of the chemical as a pesticide in your country:
	Insecticide, used for control of thrips and aphids in cotton; thrips, armyworm and rose beetle in maize; and armyworm in sorghum. Apply azinphos-ethyl, 20-40 ml. in 20 litres of water, by spraying, PHI 10 days.
1.7.2	Industrial
	Describe the industrial uses of the chemical in your country:
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1.8	Properties
1.8.1	Description of physico-chemical properties of the chemical
	Molecular weight: 345.4. Molecular formula: $C_{12}H_{16}N_3O_3PS_2$. Form: colourless needles. Melting point: 50°C. Boiling point: 147°C/1.3 Pa. Vapour pressure: 0.32 mPa (20°C). K_{ow} : log P = 3.18. Specific gravity/density: 1.284 (20°C). Solubility in water 4–5 mg/l (20°C), highly
	soluble in dichloromethane and toluene. Stability: Rapidly hydrolysed in alkaline media, relatively stable in acidic media. DT ₅₀ (22°C), 3 h (pH 4), 270 days (pH 7), 11 days (pH).

1.8.2	Description of toxicological properties of the chemical
	Acute oral LD ₅₀ for rats 12 mg/kg. Skin and eye: acute percutancous LD ₅₀ (24 h) for rats 500 mg/kg. Not irritating to skin and eyes of rabbits. Inhalation LC ₅₀ (4 h) for rats 0.15 mg/l air. NOEL (2 Y) for rats = 2, dogs = 0.1, mice = 1.4 mg/kg diets, monkeys 0.02 mg/kg b.w. No. ADI (JMPR, 1973).
1.8.3	Description of ecotoxicological properties of the chemical
	Birds acute oral LD ₅₀ for Japanese quail 12.5 - 20 mg/kg. Fish LC ₅₀ (96 h) for golden orfe 0.03, rainbow trout 0.08 mg/l. Not toxic to bees. Daphnia LC ₅₀ (48 h) 0.0002 mg/l.

PART II: FINAL REGULATORY ACTION

4.	FINAL REGULATO	KI ACTION		
2.1	The chemical is:	☑ banned	OR	severely restricted
2.2	Information specific	to the final regulatory action		
2.2.1	Summary of the final	regulatory action		
				· · · · · · · · · · · · · · · · · · ·
	Banned for impor	t, production, having in p	ossession and use as an ag	gricultural pesticide.
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2.2.2	Reference to the regu	latory document		
	Notification of N volume no. 117,	Ministry of Industry dated section 43 Ng, dated 8	20 March 2000, publish May 2000.	ed in the Royal Gazette
-				
2.2.3	Date of entry into force	ce of the final regulatory acti		
	9 May 2000).		
<u> </u>		, <u>,</u>		

2.3	Was the final regulatory action based on a risk or hazard evaluation?	Ø	Yes	□ No
	If yes, give information on such evaluation]		
	The acute oral LD ₅₀ = 12 mg/kg is very high risk to humans.			
	Reference to the relevant documentation	T		
		_		
	The WHO Recommended Classification of Pesticides by Hazard and G	uidel	ines to	
	Classification, 1996 – 1997.			
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2.4	Reasons for the final- regulatory action			
2.4.1	Is the reason for the final regulatory action relevant to the human health?	ল	Yes	□No
2	If yes, give summary of the known hazards and risks presented by the	╫╌	103	110
	chemical to human health, including the health of consumers and workers			
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	Very high acute toxicity, extremely hazardous and risk to workers in for	nulai	tion	
	plant and during apply by spraying.			
	·			
	Reference to the relevant documentation			
	The WHO Recommended Classification of Pesticides by Hazard and Gu	iaeii	nes to	
	Classification, 1996 – 1997.			
	Expected effect of the final regulatory action			
	No poisoning case caused by azinphos-ethyl is reported.			
-	Two porsoning case caused by azinphios-emyl is reported.			

2.5.2	Final regulatory action	has been taken for the chemical category			
		or uses prohibited by the final regulatory a	action	<u> </u>	Pesticide
	-		tetion		
	All formulations and	d use were prohibited by the final regul	latory action.		
		<u> </u>	initing action.		
	Formulation(s) and use	or uses that remain allowed		<u>.</u>	
	FORMULALION(S) AND USE 1	or uses that remain allowed			
		None			
2.5.3	Estimated quantity of the	the chemical produced, imported, exported	and used, where ava		
Produc	ced	Quantity per year (MT)		Year	
Import	æd	5.76	1997 (Final y	ear of	import)
Export	ted				
Used					
USEu 			1		
2.6	Indication, to the extent	possible, of the likely relevance of the final	regulatory action to	other	
<u>-</u> -	states and regions				
					
7	Other relevant inform				
.7	Other relevant informa	-			
.7.1	Assessment of socio-ecor	nomic effects of the final regulatory action			

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		
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	Reference to the relevant documentation		
	Reference to the relevant documentation	J	
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	Expected effect of the final regulatory action		
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2.5	Category or categories where the final regulatory action has been taken	- · -	!
2.5.1			Industrial
	Use or uses prohibited by the final regulatory action		
	Use or uses that remain allowed		

2.7.2	Information on alternatives and their relative risks	
	Alternatives are endosulfan (LD $_{50}$ = 80) and carbaryl (LD $_{50}$ = 300).	
2.7.3	Relevant additional information	
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PART III: GOVERNMENT AUTHORITIES

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
Institution	Department of Agriculture
Address	50 Phaholyotin Rd., Chatuchak, Bangkok 10900 Thailand.
Telephone	66 - 2 - 5790586
Telefax	66 - 2 - 5615024
E-mail address	anantad@doa.go.th
Designated National Authority	
Institution	Department of Agriculture
Address	50 Phaholyotin Rd., Chatuchak, Bangkok 10900 Thailand.
Name of person in charge	Dr. Ananta Dalodom.
Position of person in charge	Director - General
Telephone	66 - 2 - 5790586
Telefax	66 - 2 - 5615024
E-mail address	anantad@doa.go.th

Date, signature of DNA and official seal: _>

Mr. Ananta Delocation

