



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

IMPORTANT: See instructions before filling in the form

COUNTRY: JAPAN

**PART I: PROPERTIES, IDENTIFICATION AND USES**

<b>1. IDENTITY OF CHEMICAL</b>		
<b>1.1</b>	<b>Common name</b>	Methyl demeton
<b>1.2</b>	<b>Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists</b>	Isomeric mixture consisting of demeton-O-methyl and demeton-S-methyl
<b>1.3</b>	<b>Trade names and names of preparations</b>	Methyl demeton
<b>1.4</b>	<b>Code numbers</b>	
<b>1.4.1</b>	<b>CAS number</b>	919-86-8 Demeton-S-methyl 869-27-6 Demeton-O-methyl
<b>1.4.2</b>	<b>Harmonized System customs code</b>	
<b>1.4.3</b>	<b>Other numbers (specify the numbering system)</b>	

<b>1.5 Indication regarding previous notification on this chemical, if any</b>	
<b>1.5.1</b>	<input type="checkbox"/> This is a first time notification of final regulatory action on this chemical.
<b>1.5.2</b>	<input type="checkbox"/> This is a modification of a previous notification of final regulatory action on this chemical. The sections modified are: _____ <input checked="" type="checkbox"/> This notification replaces all previously submitted notifications on this chemical.
Date of issue of the previous notification: <u>September 24, 1999</u>	

**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](mailto:pic@fao.org)

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](mailto:pic@unep.ch)

1.6 Information on hazard classification where the chemical is subject to classification requirements	
International classification systems	Hazard class
IARC	ND
WHO/recommended classification of pesticides by hazard	I b
UN Recommendations on the Transport of Dangerous Goods	UN Number 2783, 2784, 3017, 3018; Class 6.1, 3
Other classification systems	Hazard class

1.7 Use or uses of the chemical	
1.7.1	<input checked="" type="checkbox"/> <b>Pesticide</b> <b>Describe the uses of the chemical as a pesticide in your country:</b> <p>Prevention and extermination of noxious insect for citrus fruits, apple, pear, grape, peach, apricot, plum, hop, rapeseed, mulberry, ornamental plant or its bulb not used for food.</p>
1.7.2	<input type="checkbox"/> <b>Industrial</b> <b>Describe the industrial uses of the chemical in your country:</b> 

1.8 Properties	
1.8.1	<b>Description of physico-chemical properties of the chemical</b> <p>Light yellow liquid. Hydrolyzed by alkali.</p> <p>(Demeton-O-methyl) Colorless oil. Solubility in waater at room temperature:330ppm.Soluble in organic solvents.</p> <p>(Demeton-S-methyl) Pale yellow oil. Solubility in water at room temperature:3,300 ppm.Soluble in organic solvents.</p>

1.8.2	<b>Description of toxicological properties of the chemical</b>  (RTECS) Demeton-S-methyl LC <sub>50</sub> Inhalation: 500mg/m <sup>3</sup> /4H (Rat) LD <sub>50</sub> Oral: 60mg/kg (Rat) LD <sub>50</sub> Oral: 110mg/kg (Rabbit) LD <sub>50</sub> Dermal: 85mg/kg (Rat) LD <sub>50</sub> Intravenous: 54mg/kg (Rat) LD <sub>50</sub> Intraperitoneal: 7,500ug/kg (Rat) LD <sub>50</sub> Intraperitoneal: 12,500 ug/kg (Guinea pig)  Demeton-O-methyl LC <sub>50</sub> Inhalation: 20mg/m <sup>3</sup> (Cat) LD <sub>50</sub> Oral: 46mg/kg (Mouse) LD <sub>50</sub> Oral: 75mg/kg (Rat) LD <sub>50</sub> Dermal: 75mg/kg (Rabbit) LD <sub>50</sub> Intravenous: 216mg/kg (Rat)
1.8.3	<b>Description of ecotoxicological properties of the chemical</b>

## PART II: FINAL REGULATORY ACTION

2.	<b>FINAL REGULATORY ACTION</b>
2.1	The chemical is <input type="checkbox"/> banned                      OR <input checked="" type="checkbox"/> severely restricted
2.2	<b>Information specific to the final regulatory action</b>
2.2.1	<b>Summary of the final regulatory action</b>  Restriction on manufacture, import, sale, use, transfer and possession.
2.2.2	<b>Reference to the regulatory document</b> Poisonous and Deleterious Substances Control Law
2.2.3	<b>Date of entry into force of the final regulatory action</b>  June 12,1956

<b>2.3</b>	<b>Was the final regulatory action based on a risk or hazard evaluation?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>If yes, give information on such evaluation</b>  The targets of regulation under the Poisonous and Deleterious Substances Control Law are acutely toxic or corrosive substances. Hazardous properties of substances are examined by the existing knowledge and the acute toxicity tests carried out by the government. It was found that this substance has strong toxicity and may be harmful to human health when misused.	
	<b>Reference to the relevant documentation</b>  Guidance on handle of poisonous and deleterious substances in Japanese, p.760, jijituushinsya (2001)	

<b>2.4</b>	<b>Reasons for the final regulatory action</b>	
<b>2.4.1</b>	<b>Is the reason for the final regulatory action relevant to the human health?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers</b>  It is an organic phosphorus tablet with perviousness, is easily absorbed from human skin, and presents a strong poisoning condition if only adhered to clothes.	
	<b>Reference to the relevant documentation</b>  Guidance on handle of poisonous and deleterious substances in Japanese, p.760, jijituushinsya (2001)	
	<b>Expected effect of the final regulatory action</b>  Should result in reduced human exposure to this substance as its use is phased out.	

<b>2.4.2</b>	<b>Is the reason for the final regulatory action relevant to the environment?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<b>If yes, give summary of the known hazards and risks to the environment</b>    	
	<b>Reference to the relevant documentation</b>    	
	<b>Expected effect of the final regulatory action</b>    	

<b>2.5</b>	<b>Category or categories where the final regulatory action has been taken</b>	
<b>2.5.1</b>	<b>Final regulatory action has been taken for the chemical category</b>	<input checked="" type="checkbox"/> <b>Industrial</b>
	<b>Use or uses prohibited by the final regulatory action</b>	
	All Uses * Since industrial uses of this substance not causing damage to human health have not been verified, ban on industrial use is imposed in order to protect human health.	
	<b>Use or uses that remain allowed</b>	
	n/a	

<b>2.5.2</b>	<b>Final regulatory action has been taken for the chemical category</b>	<input checked="" type="checkbox"/> <b>Pesticide</b>
	<b>Formulation(s) and use or uses prohibited by the final regulatory action</b>	
	All uses except below.	
	<b>Formulation(s) and use or uses that remain allowed</b>	
	Uses for prevention and extermination of noxious insect for citrus fruits, apple, pear, grape, peach, apricot, plum, hop, rapeseed, mulberry, ornamental plant or its bulb not used for food by the users stipulated by the Poisonous and Deleterious Substances Control Law	

<b>2.5.3</b>	<b>Estimated quantity of the chemical produced, imported, exported and used, where available.</b>	
	<b>Quantity per year (MT)</b>	<b>Year</b>
<b>Produced</b>	n/a	
<b>Imported</b>	n/a	
<b>Exported</b>	n/a.	
<b>Used</b>	n/a.	

<b>2.6</b>	<b>Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions</b>

<b>2.7 Other relevant information that may cover:</b>	
<b>2.7.1</b>	<b>Assessment of socio-economic effects of the final regulatory action</b>
<b>2.7.2</b>	<b>Information on alternatives and their relative risks</b>
<b>2.7.3</b>	<b>Relevant additional information</b>

**PART III : GOVERNMENT AUTHORITIES**

<b>Ministry/Department and authority responsible for issuing/enforcing the final regulatory action</b>	
<b>Institution</b>	Ministry of Health, Labour and Welfare (MHLW)
<b>Address</b>	MHLW: 1-2-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-8901, Japan
<b>Telephone</b>	MHLW: +81-3-3595-2298
<b>Telefax</b>	MHLW: +81-3-3593-8913
<b>E-mail address</b>	
<b>Designated National Authority</b>	
<b>Institution</b>	Global Environment Division Ministry of Foreign Affairs
<b>Address</b>	2-2-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8919, Japan
<b>Name of person in charge</b>	Mr. Koichi Ito
<b>Position of person in charge</b>	Director
<b>Telephone</b>	+81-3-5501-8245
<b>Telefax</b>	+81-3-5501-8244
<b>E-mail address</b>	koichi.ito@mofa.go.jp

Date, signature of DNA and official seal: 01.09.2004. 伊藤 康一

