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INTERIM CHEMICAL REVIEW COMMITTEE

First session

Geneva, 21-25 February 2000

Item 6 of the provisional agenda\*

CONSIDERATION OF DRAFT DECISION GUIDANCE DOCUMENTS REFERRED TO THE INTERIM  
CHEMICAL REVIEW COMMITTEE BY THE INTERGOVERNMENTAL NEGOTIATING COMMITTEE

Compilation of notifications of control actions, background documents  
and comments on the draft decision guidance documents on ethylene  
dichloride, ethylene oxide, maleic hydrazide and bromacil

Note by the secretariat

1. The purpose of the present note is to provide the Interim Chemical Review Committee with documents received by the secretariat regarding the decision guidance documents for already identified chemicals which are being made available under UNEP/FAO/PIC/ICRC.1/4 and addenda 1 to 4.
2. In referring the draft decision guidance documents to the Interim Chemical Review Committee, the Intergovernmental Negotiating Committee, at its sixth session, requested (UNEP/FAO/PIC/INC.6/7, para. 43) that all notifications of control actions, background documents and comments on the decision guidance documents on ethylene dichloride, ethylene oxide, maleic hydrazide and bromacil should be provided to the secretariat by 31 October 1999 and made available to the Interim Chemical Review Committee.
3. As a follow-up to this request, the secretariat sent, on 16 August 1999, a letter to all designated national authorities, and to official contact points in States that had not yet nominated a designated national authority, requesting

\* UNEP/FAO/PIC/ICRC.1/1.

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that they provide any relevant information regarding the four chemicals in question to the secretariat by the set deadline.

4. Attached in annex I are the notifications of control action submitted under the original PIC procedure for the four chemicals in question, grouped by chemical. Annex II contains copies of the comments and background documents received from States and organizations.

Annex INOTIFICATIONS OF CONTROL ACTION SUBMITTED UNDER THE ORIGINAL PIC PROCEDURE  
FOR THE FOUR CHEMICALS IN QUESTION, GROUPED BY CHEMICAL

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**Notifications of control action submitted under the original PIC procedure**

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**Identity of chemical:** Ethylene dichloride

**CAS Number:** 107-06-2

**Country**

AUSTRIA  
BELIZE  
CANADA<sup>1</sup>  
EUROPEAN UNION  
GERMANY  
SLOVENIA  
THAILAND<sup>2</sup>  
UNITED KINGDOM

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<sup>1</sup> The Pest Management Regulatory Agency, Health Canada, has informed the Secretariat, in a letter of 23 September 1999, that new or amended notifications for a number of chemicals previously notified as banned or severely restricted under the original PIC procedure will be submitted by 31 December 1999. Ethylene dichloride is listed as one of these chemicals.

<sup>2</sup> Thailand had originally submitted a notification of control action under the original PIC procedure for ethylene dichloride. This reported action is reflected in the draft DGD for bromacil. The Pollution Control Department of Thailand, however, submitted on 27 October 1999, a new notification of final regulatory action under the interim PIC procedure for ethylene dichloride. This new notification can be found in Annex II of the present note. The old notification submitted under the original PIC procedure is thus not included in this Annex.

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** AUSTRIA

**2. Identity of Chemical**

**Common Name**

Ethylene dichloride (EDC)

**Chemical Name**

Ethane, 1,2-dichloro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

107-06-2

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Unregistered (rodenticide).

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

All uses banned.

**Reference to national document**

97th Ordinance on Prohibition of Dangerous Substances in Plant Protection Products (Federal Law Gazette No. 97/1992)

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

20/2/1992

**Date of issue of the notification (dd/mm/yyyy)**

14/9/1992

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Carcinogenic and mutagenic properties. The substance has a potential for reproductive effects in males and central nervous system effects.

**8. Alternatives**

Many alternatives for designated purposes.

**9. Additional information**

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** BELIZE

**2. Identity of Chemical**

**Common Name**

Ethylene dichloride (EDC)

**Chemical Name**

Ethane, 1,2-dichloro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

107-06-2

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Insecticide.

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

The substance is banned for use.

**Reference to national document**

Act No. 32 of 1985

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

28/12/1985

**Date of issue of the notification (dd/mm/yyyy)**

13/2/1992

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Mixed with CC14, a carcinogen.

**8. Alternatives**

**9. Additional information**

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**Notification of control action to ban or severely restrict a chemical  
submitted under the original PIC procedure**

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**1. Country** CANADA

**2. Identity of Chemical**

**Common Name**

Ethylene dichloride (EDC)

**Chemical Name**

Ethane, 1,2-dichloro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

Liquid, solution

**3. Code numbers**

**1.4 CAS Number**

107-06-2

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Insecticide

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

Suspended/banned. No remaining uses allowed.

**Reference to national document**

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

1/1/1984

**Date of issue of the notification (dd/mm/yyyy)**

9/2/1996

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

**8. Alternatives**

**9. Additional information**

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** European Union

### 2. Identity of Chemical

**Common Name**

Ethylene dichloride (EDC)

**Chemical Name**

Ethane, 1,2-dichloro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

Use as plant protection product.

### 3. Code numbers

**1.4 CAS Number** 107-06-2

**1.5 Other numbers (specify)**

### 4. Use Category(ies)

Agricultural

**Specify major use areas within each category**

As plant protection products to fumigate plants and soil. Industrial use: in PVC industry.

### 5. Control Action: Use(s) controlled and summary of control actions

banned

**State specific types and approximate proportion of uses controlled**

The placing on the market and the use of plant protection products containing 1,2-dichloroethane is prohibited. No remaining uses allowed.

**Reference to national document**

Directive 79/117/EEC of 21.12.78 (OJ L33/36 of 8.2.79).

**Reference to national document**

Directive 87/181/EEC of 09.03.87 (OJ L71/33 of 14.3.87).

**Date of entry into force of the action (dd/mm/yyyy)**

1/6/1989

**Date of issue of the notification (dd/mm/yyyy)**

11/8/1993

### 6. Uses still allowed

### 7. Reasons supporting the control action, relevant to protection of human health and the environment

The use of 1,2-dichloroethane as a plant protection product, in particular to fumigate plants and soil, is likely to give rise to harmful effects on human and animal health as well as unreasonable adverse influence on the environment. 1,2-dichloroethane has been classified by the EC as a category 2 carcinogen (probably carcinogenic to humans).

### 8. Alternatives

### 9. Additional information

Labelling requirements in EU: Classification: highly flammable, toxic. Code: F; T; R: 45-11-22-36/37/38; S: 53-45. Risk phrases: may cause cancer/highly flammable/harmful if swallowed/irritating to eyes, respiratory system and skin. Safety phrases: avoid exposure - obtain special instructions before use/ keep away from sources of ignition/ do not empty into drains/ if you feel unwell, seek medical advice.

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** SLOVENIA

### 2. Identity of Chemical

**Common Name**

Ethylene dichloride (EDC)

**Chemical Name**

Ethane, 1,2-dichloro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

### 3. Code numbers

**1.4 CAS Number**

107-06-2

**1.5 Other numbers (specify)**

EINECS: 274-582-1

### 4. Use Category(ies)

Agricultural

**Specify major use areas within each category**

### 5. Control Action: Use(s) controlled and summary of control actions

banned

**State specific types and**

**approximate proportion of uses** Banned for use in agriculture.

**controlled**

**Reference to national document**

(OJ 29/96, OJ 34/96, OJ 35/97) Decision on the prohibition of trade and of the use of toxic substances and preparations made from them and used as phytopharmaceutical agents.

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

13/6/1997

**Date of issue of the notification (dd/mm/yyyy)**

23/2/1998

### 6. Uses still allowed

### 7. Reasons supporting the control action, relevant to protection of human health and the environment

This chemical was banned from the use in agriculture due to the effect of its toxic properties on human health and the environment according to the opinion given by the Commission on Poisons.

### 8. Alternatives

### 9. Additional information

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**Notification of control action to ban or severely restrict a chemical  
submitted under the original PIC procedure**

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**1. Country** UNITED KINGDOM

**2. Identity of Chemical**

**Common Name**

Ethylene dichloride (EDC)

**Chemical Name**

Ethane, 1,2-dichloro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

107-06-2

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Agricultural insecticide.

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled** All agricultural uses revoked under the Control of Pesticides Regulations.

**Reference to national document**

Pesticides Register No. 4 of 1989.

**Reference to national document**

**Date of entry into force of the action  
(dd/mm/yyyy)**

1/6/1989

**Date of issue of the notification (dd/mm/yyyy)**

7/5/1992

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Action taken due to evidence of carcinogenicity.

**8. Alternatives**

**9. Additional information**

Action in compliance with directive 87/181/EEC.

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**List of notifications of control action submitted under the original PIC procedure**

**Identity of chemical:** Ethylene oxide

**CAS Number:** 75-21-8

**Country**

AUSTRIA

BELIZE

CHINA

EUROPEAN UNION

GERMANY

SLOVENIA

SWEDEN

UNITED KINGDOM

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** AUSTRIA

**2. Identity of Chemical**

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category**

Unregistered insecticide (fumigant for stored food products)

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

All uses banned.

**Reference to national document**

97th Ordinance on Prohibition of Dangerous Substances in Plant Protection Products (Federal Law Gazette No. 97/1992)

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

20/2/1992

**Date of issue of the notification (dd/mm/yyyy)**

14/9/1992

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Carcinogenic and mutagenic properties.

**8. Alternatives**

Many alternatives for designated purposes.

**9. Additional information**

/...

**Notification of control action to ban or severely restrict a chemical  
submitted under the original PIC procedure**

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**1. Country** BELIZE

**2. Identity of Chemical**

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Insecticide.

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

The substance is banned for use.

**Reference to national document**

Act No. 32 of 1985

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

28/12/1985

**Date of issue of the notification (dd/mm/yyyy)**

13/2/1992

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Major fire and inhalation hazard.

**8. Alternatives**

**9. Additional information**

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** CHINA

**2. Identity of Chemical**

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

Ethylene oxide-containing preparation

**3. Code numbers**

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Insecticide (fumigation)

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

Ethylene oxide has been banned for registration, production and use as a pesticide. It has never been produced and used as a pesticide.

**Reference to national document**

Information about rules and regulations (78) MC-G No. 59.

**Reference to national document**

The Ministry of Agriculture, etc. (Information) (1985) MA-(A) No. 18

**Date of entry into force of the action (dd/mm/yyyy)**

1/1/1985

**Date of issue of the notification (dd/mm/yyyy)**

24/4/1992

**6. Uses still allowed**

Ethylene Oxide has been restricted for use in fumigating of empty storehouse, container and cabin only

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Ethylene oxide is highly toxic. Its use will produce severely harmful effects to human health.

**8. Alternatives**

**9. Additional information**

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** European Union

### 2. Identity of Chemical

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

All preparations used as plant protection products

### 3. Code numbers

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

### 4. Use Category(ies)

Agricultural

**Specify major use areas within each category**

Agricultural: as plant protection product to fumigate plants and plant products to control pathogens. Pesticidal: control of wool and fur pests. Industrial: manufacture of ethylene glycol, glycol ethers, ethanolamine and surfactants. Various uses in syntheses.

### 5. Control Action: Use(s) controlled and summary of control actions

banned

**State specific types and approximate proportion of uses controlled**

It is prohibited to use or place on the market all plant protection products containing ethylene oxide as an active ingredient.

**Reference to national document**

Directive 79/117/EEC of 21.12.78 (OJ L33/36 of 8.2.79) - ban with certain derogations.

**Reference to national document**

Directive 89/367/EEC - total ban.

**Date of entry into force of the action (dd/mm/yyyy)**

1/1/1991

**Date of issue of the notification (dd/mm/yyyy)**

1/3/1995

### 6. Uses still allowed

Pesticidal use for control of wool and fur pests and industrial uses are still allowed. Control of wool and fur pests is not covered by the plant protection legislation.

### 7. Reasons supporting the control action, relevant to protection of human health and the environment

The use of ethylene oxide for the fumigation of plants or plant products in storage leaves residues in foodstuffs which may give rise to harmful effects on human and animal health. Ethylene oxide has been classified by the EC as a category 2 carcinogen (probably carcinogenic to humans). Ethylene oxide has also been classified by the EC as a category 2 mutagen (probably mutagenic to humans).

### 8. Alternatives

/...

## **9. Additional information**

Labelling requirements for the chemical in the EU: Classification: extremely flammable; toxic. Code: F+, T; R:45-46-12-23-36/37/38; S:53-45. Risk phrases: may cause cancer/ may cause heritable genetic damage/ extremely flammable/ toxic by inhalation/ irritating to eyes, respiratory system and skin. Safety phrases: avoid exposure - obtain special instructions before use/ in case of accident or if you feel unwell, seek medical advice immediately (show label if possible).



## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** GERMANY

### 2. Identity of Chemical

<b>Common Name</b>	Ethylene oxide
<b>Chemical Name</b>	Oxirane
<b>Trade Name(s)/Name(s) of preparation</b>	Cartox, T-Gas
<b>Type of formulation and content of active ingredient</b>	Gas generating product

### 3. Code numbers

**1.4 CAS Number** 75-21-8

**1.5 Other numbers (specify)** BBA: 0126; CIPAC: 0225; EINECS: 200-849-9

### 4. Use Category(ies)

Agricultural

**Specify major use areas within each category** Fumigation of cereals in silo cells; disinfection of imported stored products.

### 5. Control Action: Use(s) controlled and summary of control actions

banned

**State specific types and approximate proportion of uses controlled** Totally banned for use as plant protection product.

**Reference to national document** Plant Protection - Use Ordinance of 19.12.1980 (BGB1. I, p. 2335)

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)** 1/2/1981

**Date of issue of the notification (dd/mm/yyyy)** 24/10/1995

### 6. Uses still allowed

### 7. Reasons supporting the control action, relevant to protection of human health and the environment

Highly toxic to warm blooded animals and man; suspected of having teratogenic effects; toxicologically critical residues in stored products (reaction with ingredients).

### 8. Alternatives

### 9. Additional information

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** SLOVENIA

**2. Identity of Chemical**

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

EINECS: 200-849-9

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category**

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and**

**approximate proportion of uses controlled**

Banned for use in agriculture.

**Reference to national document**

(OJ 29/96, OJ 34/96, OJ 35/97) Decision on the prohibition of trade and of the use of toxic substances and preparations made from them and used as phytopharmaceutical agents.

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

13/6/1997

**Date of issue of the notification (dd/mm/yyyy)**

23/2/1998

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

This chemical was banned from the use in agriculture due to the effect of its toxic properties on human health and the environment according to the opinion given by the Commission on Poisons.

**8. Alternatives**

**9. Additional information**

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**Notification of control action to ban or severely restrict a chemical  
submitted under the original PIC procedure**

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**1. Country** SWEDEN

**2. Identity of Chemical**

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Industrial

**Specify major use areas within each category**

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

Banned for use as a pesticide.

**Reference to national document**

Decision by KemI of 20.03.1991.

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

1/1/1991

**Date of issue of the notification (dd/mm/yyyy)**

16/9/1992

**6. Uses still allowed**

No remaining uses allowed.

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

This substance was suspended due to its carcinogenic properties.

**8. Alternatives**

**9. Additional information**

**Notification of control action to ban or severely restrict a chemical  
submitted under the original PIC procedure**

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**1. Country** UNITED KINGDOM

**2. Identity of Chemical**

**Common Name**

Ethylene oxide

**Chemical Name**

Oxirane

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

75-21-8

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Fumigant.

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

All uses revoked under the Control of Pesticides Regulations.

**Reference to national document**

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

31/10/1990

**Date of issue of the notification (dd/mm/yyyy)**

7/5/1992

**6. Uses still allowed**

No remaining uses allowed.

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Action taken due to evidence of carcinogenicity.

**8. Alternatives**

**9. Additional information**

Action to implement EC Directive 79/117/EEC.

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**List of notifications of control action submitted under the original PIC procedure**

**Identity of chemical:** Maleic hydrazide

**CAS Number:** 123-33-1

**Country**

AUSTRIA  
DENMARK  
EUROPEAN UNION  
GERMANY  
KOREA, REPUBLIC OF

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** AUSTRIA

**2. Identity of Chemical**

<b>Common Name</b>	Maleic hydrazide
<b>Chemical Name</b>	3,6-Pyridazinedione, 1,2-dihydro-
<b>Trade Name(s)/Name(s) of preparation</b>	
<b>Type of formulation and content of active ingredient</b>	Fluid (30% and 37%)

**3. Code numbers**

**1.4 CAS Number** 123-33-1

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Herbicide (growth regulator).

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled** Banned since 01.01.88 in all applications where food contact is possible. All uses banned as of 20.02.92.

**Reference to national document** 205th Ord. on Ban of Certain Dangerous Subst. in all applic. where food contact is possible (Fed. Law Gazette 205/1987).

**Reference to national document** 97th Ordinance on Prohibition of Dangerous Substances in Plant Protection Products (Federal Law Gazette No. 97/1992).

**Date of entry into force of the action (dd/mm/yyyy)** 20/2/1992

**Date of issue of the notification (dd/mm/yyyy)** 14/9/1992

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

High mobility in soils and potential for contamination of water. The herbicide is suspected to have a carcinogenic potential. Its residue in food is highly toxic, causing negative effects on central nervous system and liver damage.

**8. Alternatives**

Many alternatives for designated purposes.

**9. Additional information**

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** DENMARK

### 2. Identity of Chemical

<b>Common Name</b>	Maleic hydrazide
<b>Chemical Name</b>	3,6-Pyridazinedione, 1,2-dihydro-
<b>Trade Name(s)/Name(s) of preparation</b>	Antergon MH 180
<b>Type of formulation and content of active ingredient</b>	Antergon MH 180 (maleic hydrazide: 180g/l as potassium salt)

### 3. Code numbers

**1.4 CAS Number** 123-33-1

**1.5 Other numbers (specify)** NULL

### 4. Use Category(ies)

Agricultural

**Specify major use areas within each category** A product containing maleic hydrazide as active substance has been authorized as plant growth regulator.

### 5. Control Action: Use(s) controlled and summary of control actions

banned

**State specific types and approximate proportion of uses controlled** The authorization for the product containing maleic hydrazide as an active substance has been withdrawn from the market 31 December 1996 and a further use has been banned from 01 July 1997.

**Reference to national document** Statutory Order on bans or severely restrictions on certain pesticide product, Statutory Order no. 790 (30 August 1997) from the Ministry of Environment and Energy.

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)** 1/7/1997

**Date of issue of the notification (dd/mm/yyyy)** 12/1/1998

### 6. Uses still allowed

No uses are allowed. For other categories than agriculture a written authorization has to be obtained. No authorization are today given for other purposes.

### 7. Reasons supporting the control action, relevant to protection of human health and the environment

Maleic hydrazide is assessed as a risk to cause groundwater pollution.

### 8. Alternatives

### 9. Additional information

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** European Union

**2. Identity of Chemical**

**Common Name**

Maleic hydrazide

**Chemical Name**

3,6-Pyridazinedione, 1,2-dihydro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

All preparations used as plant protection products.

**3. Code numbers**

**1.4 CAS Number**

123-33-1

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Plant growth inhibitor.

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

The placing on the market and the use of the following plant protection products is prohibited: products containing (a) maleic hydrazide and its salts, other than its choline, potassium and sodium salts, and (b) choline, potassium and sodium salts of maleic hydrazide containing more than 1 mg/kg of free hydrazine expressed on the basis of the acid equivalent.

**Reference to national document**

Directive 79/117/EEC of 21.12.78 (OJ L33/36 of 8.2.79).

**Reference to national document**

Directive 90/533/EEC of 15.10.90 (OJ L296/63 of 27.10.90).

**Date of entry into force of the action (dd/mm/yyyy)**

1/1/1991

**Date of issue of the notification (dd/mm/yyyy)**

1/3/1995

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

The uses of compounds mentioned in the control action in section (a) and those of section (b) not meeting certain purity criteria are likely to give rise to harmful effects on human and animal health as well as a highly unfavorable influence on the environment. The compounds mentioned may release hydrazine (CAS No. 302-01-2) in considerable amounts during shelf-life. Hydrazine has been classified by the EC as a category 2 carcinogen (probably carcinogenic to humans).

**8. Alternatives**

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## **9. Additional information**

Labelling requirement in the EU: Classification: none. Code: none. Maleic hydrazide and its compounds are not listed in Annex I to Council Directive 67/548/EEC and no formal classification and labelling requirements have been defined. However, Council Directive 79/117/EEC states that its salts are likely to give rise to harmful effect on human and animal health as well as a highly unfavourable influence on the environment.

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** GERMANY

**2. Identity of Chemical**

<b>Common Name</b>	Maleic hydrazide
<b>Chemical Name</b>	3,6-Pyridazinedione, 1,2-dihydro-
<b>Trade Name(s)/Name(s) of preparation</b>	Maleinsaurehydrazid Bergoff; HORA Grasstop
<b>Type of formulation and content of active ingredient</b>	Soluble concentrate.

**3. Code numbers**

**1.4 CAS Number** 123-33-1

**1.5 Other numbers (specify)** BBA: 0297; CIPAC: 0310; EINECS: 204-619-9

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category** Growth regulation in grass on non-cultivated agricultural areas and on banks of surface waters.

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled** Totally banned for use as plant protection product.

**Reference to national document** Directive 79/117/EEC of 21.12.78 (OJ L33/36 of 8.2.79).

**Reference to national document** Ordinance amending Plant Protection – use Ordinance of 22 March 1991 (BGB1.I.p.796).

**Date of entry into force of the action (dd/mm/yyyy)** 29/3/1991

**Date of issue of the notification (dd/mm/yyyy)** 24/10/1995

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Purity criteria (with regard to free hydrazine); compliance with EEC regulations.

**8. Alternatives**

At present there are no alternative registered for growth regulation in grass.

**9. Additional information**

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** KOREA, REPUBLIC OF

**2. Identity of Chemical**

**Common Name**

Maleic hydrazide

**Chemical Name**

3,6-Pyridazinedione, 1,2-dihydro-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

123-33-1

**1.5 Other numbers (specify)**

RTECS UR5950000

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category**

**5. Control Action: Use(s) controlled and summary of control actions**

severely restricted

**State specific types and approximate proportion of uses controlled**

The amount of the hydrazine contamination in technical product must not exceed 15 ppm. Use is allowed only in tobacco plant.

**Reference to national document**

Ministry of Agriculture, Forestry and Fisheries, 1981

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

25/2/1981

**Date of issue of the notification (dd/mm/yyyy)**

16/3/1989

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Health risk and environmental impact.

**8. Alternatives**

**9. Additional information**

**List of notifications of control action submitted under the original PIC procedure**

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**Identity of chemical:** Bromacil

**CAS Number:** 314-40-9

**Country**

BELIZE<sup>3</sup>  
GERMANY  
SLOVENIA<sup>4</sup>  
SWEDEN

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<sup>3</sup> Belize had originally submitted a notification of control action under the original PIC procedure stating that bromacil was severely restricted for use. This reported action is reflected in the draft DGD for bromacil. The Pesticides Control Board of Belize, in a letter of 4 November 1999, has, however, informed the Secretariat that bromacil is not a severely restricted pesticide in Belize. The letter can be found in Annex II of the present note. The old notification submitted under the original PIC procedure is thus not included in this Annex.

<sup>4</sup> The National Chemicals Bureau, Ministry of Health of Slovenia has, in a letter of 12.11.99, informed the Secretariat that the Republic of Slovenia is in the process of adopting new regulations on the ban or restriction of certain plant protection products. They anticipate that the regulation will be adopted by the end of this year. At the same time, they state that bromacil will no longer be banned or severely restricted under this new legislation. The letter can be found in Annex II of the present note.

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** GERMANY

### 2. Identity of Chemical

<b>Common Name</b>	Bromacil
<b>Chemical Name</b>	2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl)-
<b>Trade Name(s)/Name(s) of preparation</b>	Hyvar X; Ustinex T-Granulat
<b>Type of formulation and content of active ingredient</b>	Wettable powder; granule.

### 3. Code numbers

**1.4 CAS Number** 314-40-9

**1.5 Other numbers (specify)** BBA No. 0222, CIPAC No. 0139, EINECS: 206-245-1

### 4. Use Category(ies)

Agricultural

**Specify major use areas within each category** Weed control on railway tracks and on uncultivated land.

### 5. Control Action: Use(s) controlled and summary of control actions

banned

**State specific types and approximate proportion of uses controlled** Totally banned for use as plant protection product.

**Reference to national document** Plant Protection - Use Ordinance of 3 August 1993 (BGBI. I, p. 1455).

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)** 11/8/1993

**Date of issue of the notification (dd/mm/yyyy)** 24/10/1995

### 6. Uses still allowed

### 7. Reasons supporting the control action, relevant to protection of human health and the environment

High persistence of bromacil in soil combined with high leaching potential with the likelihood that application of bromacil would exceed a regulatory limit of 0.1 micrograms/l in ground water. The action is based on a national review of scientific data.

### 8. Alternatives

At present there are no soil acting alternatives registered for weed control on railway tracks (plant protection products containing diuron or glyphosate); on uncultivated land the use of glyphosate is possible, a non chemical alternative is mechanical weed control.

### 9. Additional information

## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** SLOVENIA

**2. Identity of Chemical**

**Common Name**

Bromacil

**Chemical Name**

2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl)-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number**

314-40-9

**1.5 Other numbers (specify)**

EINECS: 206-245-1

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category**

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and**

**approximate proportion of uses controlled** Banned for use in agriculture.

**Reference to national document**

(OJ 29/96, OJ 34/96, OJ 35/97) Decision on the prohibition of trade and of the use of toxic substances and preparations made from them and used as phytopharmaceutical agents.

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

13/6/1997

**Date of issue of the notification (dd/mm/yyyy)**

23/2/1998

**6. Uses still allowed**

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

This chemical was banned from the use in agriculture due to the effect of its toxic properties on human health and the environment according to the opinion given by the Commission on Poisons.

**8. Alternatives**

**9. Additional information**

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## Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

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**1. Country** SWEDEN

**2. Identity of Chemical**

**Common Name**

Bromacil

**Chemical Name**

2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl)-

**Trade Name(s)/Name(s) of preparation**

**Type of formulation and content of active ingredient**

**3. Code numbers**

**1.4 CAS Number** 314-40-9

**1.5 Other numbers (specify)**

**4. Use Category(ies)**

Agricultural

**Specify major use areas within each category**

**5. Control Action: Use(s) controlled and summary of control actions**

banned

**State specific types and approximate proportion of uses controlled**

The substance is banned for use as pesticide.

**Reference to national document**

Decision by KemI of 26.11.1988

**Reference to national document**

**Date of entry into force of the action (dd/mm/yyyy)**

1/1/1990

**Date of issue of the notification (dd/mm/yyyy)**

16/2/1992

**6. Uses still allowed**

No remaining uses allowed.

**7. Reasons supporting the control action, relevant to protection of human health and the environment**

Suspended due to the substance's suspected carcinogenic properties and high mobility in soil.

**8. Alternatives**

**9. Additional information**

Annex IICOMMENTS AND BACKGROUND DOCUMENTS RECEIVED  
FROM STATES AND ORGANIZATIONS

Number	State or organization submitting the comments	Chemical concerned
①	Pesticide Control Board, Belize	bromacil
②	Ministerio de Desarrollo Sostenible y Planificación, Bolivia	bromacil, ethylene dichloride, ethylene oxide, maleic hydrazide
③	Plant Protection Division, Ministry of Agriculture, Botswana	bromacil, ethylene dichloride, ethylene oxide, maleic hydrazide
④	Permanent Mission of Brazil, Geneva	bromacil, ethylene dichloride, ethylene oxide, maleic hydrazide
⑤	Ministero della Sanità, Italy	ethylene dichloride, ethylene oxide
⑥	Ministry of Health and Social Welfare, Poland	bromacil, ethylene dichloride, ethylene oxide, maleic hydrazide
⑦	National Chemicals Bureau, Ministry of Health, Slovenia	bromacil
⑧	Pollution Control Department, Thailand	bromacil, ethylene dichloride, ethylene oxide, maleic hydrazide
⑨	United States Expert to the Interim Chemical Review Committee, Environmental Protection Agency, United States of America	bromacil, ethylene dichloride, ethylene oxide, maleic hydrazide
⑩	Global Crop Protection Federation, Belgium	bromacil