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.
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 I

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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene dichloride</td>
<td>4 - 10</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>11 - 20</td>
</tr>
<tr>
<td>Maleic hydrazide</td>
<td>21 - 27</td>
</tr>
<tr>
<td>Bromacil</td>
<td>28 - 31</td>
</tr>
</tbody>
</table>
Notifications of control action submitted under the original PIC procedure

**Identity of chemical:** Ethylene dichloride

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

**Country**

AUSTRIA
BELIZE
CANADA
EUROPEAN UNION
GERMANY
SLOVENIA
THAILAND
UNITED KINGDOM

---

1 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.

2 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

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

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.

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

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

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

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

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
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

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

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

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

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.

/...
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

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
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

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

1. Country  
CHINA

2. Identity of Chemical
Common Name  
Ethylene oxide
Chemical Name  
Oxirane
Trade Name(s)/Name(s) of preparation  
Ethylene oxide-containing 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 (fumigation)

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

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

1. Country  European Union

2. Identity of Chemical
   Common Name: Ethylene oxide
   Chemical Name: Oxirane
   Trade Name(s)/Name(s) of preparation: All preparations used as plant protection products
   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)

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

1. Country  GERMANY

2. Identity of Chemical
Common Name  Ethylene oxide
Chemical Name  Oxirane
Trade Name(s)/Name(s) of preparation  Cartox, T-Gas
Type of formulation and content of active ingredient  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; desinfection 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
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

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.

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

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

1. Country  
SWEDEN

2. Identity of Chemical

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Ethylene oxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td>Oxirane</td>
</tr>
<tr>
<td>Trade Name(s)/Name(s) of preparation</td>
<td></td>
</tr>
<tr>
<td>Type of formulation and content of active ingredient</td>
<td></td>
</tr>
</tbody>
</table>

3. Code numbers

<table>
<thead>
<tr>
<th>1.4 CAS Number</th>
<th>75-21-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 Other numbers (specify)</td>
<td></td>
</tr>
</tbody>
</table>

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

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

Identity of chemical: Maleic hydrazide

Country

AUSTRIA
DENMARK
EUROPEAN UNION
GERMANY
KOREA, REPUBLIC OF

CAS Number: 123-33-1
Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

1. Country  AUSTRIA

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

1. **Country**  
   DENMARK

2. **Identity of Chemical**
   
   **Common Name**  
   Maleic hydrazide

   **Chemical Name**  
   3,6-Pyridazinedione, 1,2-dihydro-

   **Trade Name(s)/Name(s) of preparation**  
   Antergon MH 180

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

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
   Reference to national document
   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)  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
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

1. Country     GERMANY

2. Identity of Chemical

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

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

Reference to national document


Reference to national document


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

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
   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

Identity of chemical: Bromacil

CAS Number: 314-40-9

Country

BELIZE

GERMANY

SLOVENIA

SWEDEN

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.

4 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.
Notification of control action to ban or severely restrict a chemical submitted under the original PIC procedure

1. Country  GERMANY

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  Hyvar X; Ustinex T-Granulat
   Type of formulation and content of active ingredient  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
   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 likelyhood 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 diurone or glyphosate); on uncultivated land the use of glyphosalt 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

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
   Reference to national document
   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

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

1. Country  SWEDEN

2. Identity of Chemical
   Common Name
   Chemical Name
   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
   Reference to national document
   Date of entry into force of the action (dd/mm/yyyy)
   Date of issue of the notification (dd/mm/yyyy)

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 II

**COMMENTS AND BACKGROUND DOCUMENTS RECEIVED FROM STATES AND ORGANIZATIONS**

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