



ROTTERDAM CONVENTION

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

Country:

Jordan

SECTION 1 IDENTITY OF CHEMICAL SUBJECT TO THE FINAL REGULATORY ACTION

1.1 Common name

Benzidine

1.2 Chemical name according to
an internationally recognized
nomenclature (e.g. IUPAC),
where such nomenclature
exists

Benzidine-based dyes;
4,4'-Bianiline;
4,4'-Biphenyldiamine;
1,1'-Biphenyl-4,4'-diamine;
4,4'-Diaminobiphenyl;
p-Diaminodiphenyl
Molecular mass: 184.2

1.3 Trade names and names of
preparations

Fast Corinth Base B

1.4 Code numbers

1.4.1 CAS number

92-87-5

1.4.2 Harmonized System
customs code

2921.590020

1.4.3 Other numbers
(specify the numbering system)

UN number : 1885
EC number : 612-042-00-2
ICSC Number : 0224
RTECS Number : [DC9625000](#)

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 notification replaces all previously submitted notifications on this chemical.

Date of issue of the previous notification: 12/12/2003.

SECTION 2

FINAL REGULATORY 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

Allowed to be used only in :
- Laboratories and research centres.
based on the decision of Ministry of Health

2.2.2 Reference to the regulatory document, e.g. where decision is recorded or published

A decree by the Minister of Health was issued and published in the *official journal* No.4717 date 16/8/2005

2.2.3 Date of entry into force of the final regulatory action

16/8/2005

2.3 Category or categories where the final regulatory action has been taken

2.3.1 All use or uses of the chemical in your country prior to the final regulatory action

Benzidine-based dyes are used in the production of printing inks, reagents and biological stains in laboratories .

2.3.2 Final regulatory action has been taken for the category Industrial

Use or uses prohibited by the final regulatory action

Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public

Use or uses that remain allowed (only in case of a severe restriction)

Its allowed to be used in laboratories and research centres only

2.3.3 Final regulatory action has been taken for the category Pesticide

Formulation(s) and use or uses prohibited by the final regulatory action

Formulation(s) and use or uses that remain allowed
(only in case of a severe restriction)

2.4 Was the final regulatory action based on a risk or hazard evaluation? Yes

No (If no, you may also complete section 2.5.3.3)

2.4.1 If yes, reference to the relevant documentation, which describes the hazard or risk evaluation

2.4.2 Summary description of the risk or hazard evaluation upon which the ban or severe restriction was based.

2.4.2.1 Is the reason for the final regulatory action relevant to human health? Yes

No

If yes, give summary of the hazard or risk evaluation related to human health, including the health of consumers and workers

Expected effect of the final regulatory action

2.4.2.2 Is the reason for the final regulatory action relevant to the environment? Yes

No

If yes, give summary of the hazard or risk evaluation related to the environment

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Expected effect of the final regulatory action

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2.5 Other relevant information regarding the final regulatory action

2.5.1 Estimated quantity of the chemical produced, imported, exported and used

	Quantity per year (MT)	Year				
produced	=====					
imported	Available : <table border="1"><thead><tr><th>Year</th><th>Quantity / year (Litter)</th></tr></thead><tbody><tr><td>2012</td><td>1.0 gm</td></tr></tbody></table>	Year	Quantity / year (Litter)	2012	1.0 gm	
Year	Quantity / year (Litter)					
2012	1.0 gm					
exported	===					
used	In laboratories and research centres					

2.5.2 Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions

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2.5.3 Other relevant information that may cover:

2.5.3.1 Assessment of socio-economic effects of the final regulatory action

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2.5.3.2 Information on alternatives and their relative risks, e.g. IPM, chemical and non-chemical alternatives

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2.5.3.3 Basis for the final regulatory action if other than hazard or risk evaluation

THE REGULATION FOR RESTRICTION OF Benzidine & its salts IS BASED ON EU REGULATIONS

2.5.3.4 Additional information related to the chemical or the final regulatory action, if any

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SECTION 3

PROPERTIES

3.1 Information on hazard classification where the chemical is subject to classification requirements

**International Hazard class
classification systems
e.g. WHO, IARC, etc.**

IARC	Group 1
UN CLASSIFICATION	UN Hazard Class: 6.1

**Other classification Hazard class
systems
e.g. EU, USEPA**

EC Classification	Note: E T : Toxic N : Dangerous for the environment R: 45-22-50/53 S: 53-45-60-61 UN Packing Group: II Hazard Codes : <u>T,N,F,Xn</u> Risk Statements : <u>45-22-50/53-52/53-39/23/24/25-23/24/25-11-36/37/38-20/21/22-51/53-67</u> Safety Statements : <u>53-45-60-61-36/37-16-7-36-26</u> F : <u>8</u> HazardClass : <u>6.1(a)</u> Hazardous Substances Data: <u>92-87-5(Hazardous Substances Data)</u>
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3.2 Further information on the properties of the chemical

3.2.1 Description of physico-chemical properties of the chemical

- Molecular Formula : C₁₂H₁₂N₂ / NH₂C₆H₄C₆H₄NH₂

- Molecular mass: 184.2
- PHYSICAL STATE; APPEARANCE:
WHITE OR REDDISH CRYSTALLINE POWDER, TURNS DARK ON EXPOSURE TO AIR AND LIGHT.
- CHEMICAL DANGERS:
The substance decomposes on heating and on burning producing toxic fumes including nitrogen oxides . Reacts violently with strong oxidants, especially nitric acid.

Boiling point: 401°C

Melting point: (see Notes) 128°C

Relative density (water = 1): 1.25

Solubility in water: none

Relative vapour density (air = 1): 6.36

Octanol/water partition coefficient as log Pow: 1.34

General Description

A grayish-yellow to grayish-red, crystalline solid. Toxic by ingestion, inhalation, and skin absorption. Combustion produces toxic oxides of nitrogen. Used to make other chemicals and in chemical and biological analysis.

Reference

NOISH ICSC: 0224

3.2.2 Description of toxicological properties of the chemical

This substance is carcinogenic to humans

Reference

NOISH ICSC : 0224

3.2.3 Description of ecotoxicological properties of the chemical

The substance is toxic to aquatic organisms.

Reference

NOISH ICSC : 0224

SECTION 4**DESIGNATED NATIONAL AUTHORITY**

Institution	MINISTRY OF HEALTH /ENVIRONMENTAL HEALTH DIRECTORATE
Address	AMMAN P.O. BOX 86
Name of person in charge	Eng. Salah Al-Heyari
Position of person in charge	DIRECTOR
Telephone	00962-6-5650626
Telefax	00962-6-5682497 , 00962-6-5666147
E-mail address	cic@moh.gov.jo , envmsds@yahoo.com

Date, signature of DNA and official seal: _____



21-10-2015

**Ministry of Health
Environmental Health
Directorate**

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E-mail address

cic@moh.gov.jo , envmsds@yahoo.com

Date, signature of DNA and official seal: _____

PLEASE RETURN THE COMPLETED FORM TO:

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Food and Agriculture Organization
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Viale delle Terme di Caracalla
00153 Rome, Italy
Tel: (+39 06) 5705 2188
Fax: (+39 06) 5705 3224
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OR

Secretariat for the Rotterdam Convention
United Nations Environment
Programme (UNEP)
11-13, Chemin des Anémones
CH – 1219 Châtelaine, Geneva, Switzerland
Tel: (+41 22) 917 8296
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Definitions for the purposes of the Rotterdam Convention according to Article 2:

(a) 'Chemical' means a substance whether by itself or in a mixture or preparation and whether manufactured or obtained from nature, but does not include any living organism. It consists of the following categories: pesticide (including severely hazardous pesticide formulations) and industrial;

(b) 'Banned chemical' means a chemical all uses of which within one or more categories have been prohibited by final regulatory action, in order to protect human health or the environment. It includes a chemical that has been refused approval for first-time use or has been withdrawn by industry either from the domestic market or from further consideration in the domestic approval process and where there is clear evidence that such action has been taken in order to protect human health or the environment;

(c) 'Severely restricted chemical' means a chemical virtually all use of which within one or more categories has been prohibited by final regulatory action in order to protect human health or the environment, but for which certain specific uses remain allowed. It includes a chemical that has, for virtually all use, been refused for approval or been withdrawn by industry either from the domestic market or from further consideration in the domestic approval process, and where there is clear evidence that such action has been taken in order to protect human health or the environment;

(d) 'Final regulatory action' means an action taken by a Party, that does not require subsequent regulatory action by that Party, the purpose of which is to ban or severely restrict a chemical.