



PERMANENT MISSION OF INDIA  
TO THE UNITED NATIONS OFFICES  
9, RUE DU VALAIS  
1202 GENEVA  
Tel : 022-9068686  
Fax: 022-9068696  
Email: mission.india@ties.itu.int

No. GEN/PMI/551/1/2004

2 April, 2004

The Permanent Mission of India to the United Nations Offices and other International Organizations in Geneva presents its compliments to the Interim Secretariat for the Rotterdam Convention in Geneva and has the honour to forward the form for notification on final regulatory action in respect of Benzedine based dyes and its salts.

The Permanent Mission of India to the United Nations Offices and other International Organizations in Geneva avails itself of this opportunity to renew to the Interim Secretariat for the Rotterdam Convention in Geneva the assurances of its highest consideration.



**Interim Secretariat for the Rotterdam Convention**  
**11-13 Chemin des Anemasse**  
**CH 1219 Chatelaine**  
**Geneva**

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

\* IMPORTANT: See instructions before filling in the form

COUNTRY: INDIA

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

IDENTITY OF CHEMICAL	
1.1	Common name Benzidine based dyes & its salts.
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists (1, 1-biphenyl) - 4, 4 diamine.
1.3	Trade names and names of preparations Not applicable, since use of these these chemicals is prohibitive. Direct Red 1, 13, 28, Blue 2, Brown 2, 95, Acid Red 85 etc.
1.4	Code numbers
1.4.1	CAS number 92 - 87 - 5
1.4.2	Harmonized system customs code 2921.59
1.4.3	Other numbers (specify the numbering system) -

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. Yes

1.5.2  This is a modification of a previous notification of final regulatory action on this chemical.  
The sections modified are: Not applicable.

This notification replaces all previously submitted notifications on this chemical. Not Applicable.

Date of issue of the previous notification: Not Applicable.

**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

OR

Interim Secretariat for the Rotterdam Convention  
UNEP Chemicals  
11-13, Chemin des Anémone  
CH - 1219 Châtelaine, Geneva, Switzerland

Tel: (+39 06) 5705 3441  
Fax: (+39 06) 5705 6347  
E-mail: pic@fao.org

Tel: (+41 22) 917 8183  
Fax: (+41 22) 797 5160  
E-mail: pic@unep.ch

1.6 Information on hazard classification where the chemical is subject to classification requirements	
International classification systems	Hazard class
	GR. 2A
	Human Carcinogenic
Other classification systems	Hazard class

1.7 Use or uses of the chemical

1.7.1  Pesticide

Describe the uses of the chemical as a pesticide in your country:

---Not applicable

1.7.2  Industrial

Describe the industrial uses of the chemical in your country:

The use of Benzidine based dyes and its salts is Prohibited in India.

1.8 Properties

1.8.1 Description of physico-chemical properties of the chemical

Melting Point : 128°C

Boiling point : 400°C at 740 mm.

Appearance : White or Slightly reddish crystalline powder.

	<p><b>Description of toxicological properties of the chemical</b></p> <p>Can cause damage to blood including hemolysis and bone marrow depression. On injection causes nausea and vomiting, which may be followed by liver and kidney damage. Causes bladder tumor.</p>
<p>1.8.3</p>	<p><b>Description of ecotoxicological properties of the chemical</b></p> <p>Dangerous when heated to decomposition, emits highly toxic fumes. The acute fish toxicity LC 50 is about 5-50 ppm depending on the type of fish.</p>

**PART II FINAL REGULATORY ACTION**

<p><b>2. FINAL REGULATORY ACTION</b></p>	
<p>2.1</p>	<p>The chemical is: <input type="checkbox"/> banned OR <input type="checkbox"/> severely restricted</p>
<p><b>2.2. Information specific to the final regulatory action</b></p>	
<p>2.2.1</p>	<p><b>Summary of the final regulatory action</b></p> <p>Govt. had prohibited and restricted the use of Benzidine based dyes and its salts in the dyeing and colour processing industries. All dyes and dye-intermediates containing Benzidine and its derivatives are prohibited for handling.</p>
<p>2.2.2</p>	<p><b>Reference to the regulatory document</b></p> <p>Ministry of Environment and Forests notification No. SO 108 (E) dt. 30th January 1990.</p>
<p>2.2.3</p>	<p><b>Date of entry into force of the final regulatory action</b></p> <p>Discontinued within 3 years from the date of issue of the notification.</p>

2.3	Was the final regulatory action based on a risk or hazard evaluation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give information on such evaluation  Industrial Toxicological Research Institute (ITRC) Lucknow submitted status report on the occupational and environmental Hazards on Benzidine based dyes to Ministry of Environment & Forests.	
	Reference to the relevant documentation  As Above.	

2.4	Reasons for the final regulatory action	
2.4.1	Is the reason for the final regulatory action relevant to the human health?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers  Can cause damage to blood including hemolysis and bone marrow depression. On injection causes nausea and vomiting, which may be followed by liver and kidney damages.	
	Reference to the relevant documentation  ITRC Study as in 2.3.	
	Expected effect of the final regulatory action  It shall extend necessary support to textile manufacturing units in achieving ISO 9000 and ISO 14000 Standards by not using hazardous Benzidine based dyes for dyeing. This will also give thrust to development of ecofriendly dyes.	

2.4.2	Is the reason for the final regulatory action relevant to the environment?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	If yes, give summary of the known hazards and risks to the environment		
Not Applicable			
Reference to the relevant documentation			
Expected effect of the final regulatory action			

2.5	Category or categories where the final regulatory action has been taken		
2.5.1	Final regulatory action has been taken for the chemical category	<input checked="" type="checkbox"/>	Industrial
	Use or uses prohibited by the final regulatory action		
As mentioned in 2.2.1			
Use or uses that remain allowed			
Not Applicable			

Final regulatory action has been taken for the chemical category

 Pesticide

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

Not Applicable

Formulation(s) and use or uses that remain allowed

## 2.5.3 Estimated quantity of the chemical produced, imported, exported and used, where available.

	Quantity per year (MT)	Year
Produced	Nil	
Imported	Nil	
Exported	Nil	
Used	Nil	

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

Not Applicable

## 2.7 Other relevant information that may cover:

## 2.7.1 Assessment of socio-economic effects of the final regulatory action

It is preventive measure against Carcinogenic effect Of Benzidine based dyes and its salts to the human health.

Information on alternatives and their relative risks

Suitable substitutes have been developed with no known carcinogenic risks.

2.7.3 Relevant additional information

**PART III: GOVERNMENT AUTHORITIES**

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
Institution	Ministry of Environment & Forests.
Address	Secretary, Ministry of Environment & Forests CGO Complex, Paryavaran Bhawan, New Delhi.
Telephone	+91-11-24360721
Telefax	+91-11-24362746
E-mail address	prodipto_ghosh@nic.in
Designated National Authority	
Institution	Department of Chemicals & Petrochemicals
Address	Joint Secretary, Deptt. of Chemicals & Petrochemicals, Room No. 341, 'A' Wing, Shastri Bhawan, New Delhi - 110001.
Name of person in charge	Mr. R.I. Singh
Position of person in charge	Joint Secretary
Telephone	+91-11-23381573
Telefax	+91-11-23073050
E-mail address	jsc.cpc@sb.nic.in

Date, signature of DNA and official seal: \_\_\_\_\_



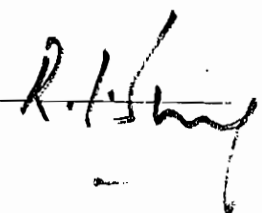
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Information on alternatives and their relative risks	
Suitable substitutes have been developed with no known carcinogenic risks.	
2.7.3	Relevant additional information

**PARALLEL GOVERNMENT AUTHORITIES**

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
Institution	Ministry of Environment & Forests.
Address	Secretary, Ministry of Environment & Forests CGO Complex, Paryavaran Bhawan, New Delhi.
Telephone	+91-11-24360721
Telefax	+91-11-24362746
E-mail address	prodipto_ghosh@nic.in
Designated National Authority	
Institution	Department of Chemicals & Petrochemicals
Address	Joint Secretary, Deptt. of Chemicals & Petrochemicals, Room No. 341, 'A' Wing, Shastri Bhawan, New Delhi - 110001.
Name of person in charge	Mr. R.I. Singh
Position of person in charge	Joint Secretary
Telephone	+91-11-23381573
Telefax	+91-11-23073050
E-mail address	jsc.cpc@sb.nic.in

Date, signature of DNA and official seal: \_\_\_\_\_



(RAMESH INDER SINGH)  
Joint Secretary  
Deptt. of Chemicals & Petrochemicals  
New Delhi.



Urgent

FAX

1/2

भारत सरकार

GOVERNMENT OF INDIA

रसायन एवं उर्वरक मंत्रालय

MINISTRY OF CHEMICALS & FERTILIZERS

रसायन और पेट्रोसायन विभाग

DEPARTMENT OF CHEMICALS & PETROCHEMICALS

शास्त्री भवन, डॉ राजेन्द्र प्रसाद रोड,

SHASTRI BHAVAN, DR. RAJENDRA PRASAD ROAD,

नई दिल्ली - 110001

NEW DELHI-110001

No.40018/10/2002-Ch.I

Dated the 31.03.2004

To Ms Sheila Logan,  
Interim Secretariat for the Rotterdam Convention,  
UNEP Chemicals,  
11-13 Chemin des Anemones  
CH-1219 Chatelaine,  
Geneva  
Switzerland.

Subject: Rotterdam Convention on the Prior Informed Consent  
(PIC) for Certain Hazardous Chemicals and Pesticides in  
International Trade-Notification for Final Regulatory Action  
for Benzidine based dyes and its salts.

Madam,

I am directed to refer to your e-mail dated March 24, 2004  
addressed to Mr.R.I.Singh, Joint Secretary(Chemicals) in this  
Department and the Designated National Authority for Industrial  
Chemicals which was received on 29<sup>th</sup> December, 2003 on the subject  
mentioned above.

2. I am enclosing along the last page of the document, duly signed by  
Mr. Ramesh Inder Singh for the purpose of verification at your end. We  
deeply regret the inconvenience if any caused to you.

Encl: As above.

Yours faithfully,

*P.S. Singh*

(P.S. Singh)

Under Secretary to the Govt. of India

Tel.23387067

E-mail [usc.cpc@sb.nic.in](mailto:usc.cpc@sb.nic.in)

<b>UNEP Chemicals</b>	
Date Received :	<i>24.4.04</i>
File no / name :	<i>PC</i>
For action :	
Cc :	

