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भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture & Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Co-operation & Farmers Welfare

वनस्पति संरक्षण, संगरोध एवं संग्रह निदेशालय

DIRECTORATE OF PLANT PROTECTION, QUARANTINE & STORAGE

Central Insecticides Board and Registration Committee

एन. एच. 4, फरीदाबाद (हरियाणा)-121001

N.H. IV, FARIDABAD (HARYANA)-121001

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Dated 09 August, 2019

**Public Notice**

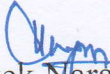
**Subject: Report of the Committee on manner of labelling of pesticides as per toxicity**

Central Insecticides Board (CIB) in its 52<sup>nd</sup> meeting held on 12.01.2016 (vide agenda item No. 8) had referred the matter of “amendements in the toxicity classification” to an Expert Committee.

The report of the Expert Committee was considered by the CIB in its 56<sup>th</sup> meeting held on 07.05.2019 (vide agenda item no. 9) and decided that comments of stake holders may be sought on the report giving them 15 days time alongwith solution if any.

It is, therefore, requested to submit comments on the enclosed report within 15 days time from the uploading of the Public Notice on the website of ppqs.gov.in. The comments may be sent through email to [cibsecy@nic.in](mailto:cibsecy@nic.in) with a copy to [vivek.narayan14@nic.in](mailto:vivek.narayan14@nic.in) and [viveknarayan77@gmail.com](mailto:viveknarayan77@gmail.com)

This has the approval of Secretary(CIB&RC).

  
Vivek Narayan) 9/8/19

Sr. Administrative Officer(CIB&RC)

Copy to:

1. Pesticides Association
2. Chairman, CIB
3. PPS to JS(PP)
4. PS to Director(PP) & PPA
5. PPS to Secretary(CIB&RC)

## Annexure-VIII

### **Report of the Committee on manner of labelling of pesticides as per toxicity**

A meeting was held under the chairmanship of Dr. N.S. Dharamshaktu, Principal Advisor, Public Health, Directorate General of Health Services, M/o Health & Family Welfare in his chamber – R.No.439-A, Nirman Bhavan, as a follow up action of the 52<sup>nd</sup> Central Insecticides Board meeting to discuss the amendment required in the toxicity classification as given under the Insecticides Rules, 1971. The following members attended the meeting:

1. Dr. S.K. Khurana, Consultant (Path) & Secretary CIBRC, Dte of PPQ&S, Faridabad
  2. Sh. Avnish Tomar, Asst. Dir.( Chemistry), Dte of PPQ&S, Faridabad
  3. Dr.SandhyaKulshrestha, consultant ( Pharma), Dte of PPQ&S, Faridabad
- The representatives of M/o Environment & Forest & Climate Change and M/o Chemicals &Fertilizers were not present in the meeting.

Dr. S. Kulshrestha, member secretary informed the committee that the Central Insecticides Board in its 52<sup>nd</sup> meeting noted the need for amendment in the toxicity classification as given in the Insecticides Rules, 1971 and has decided that the same committee which was looking after the assigning colour of toxicity triangle of registered products (technical and formulations) as per their acute oral and dermal LD50, should undertake this task also.

The Terms of Reference of the meeting is to review classification of pesticide under Insecticide Rules, 1971 as very often an issue has been raised that under current colour coding that Dermal Lethal dose (LD) 20,000 is mentioned under category (4) but the test for 20,000 LD 50 dose is not being undertaken as per the existing protocol/test guidelines and the pesticide Industries have raised this issue. The committee perused classification given under the Insecticide Rules, 1971, the Acute Toxicity GHS classification and WHO classification of pesticides by hazard. Dr. Khurana presented classification system and the system followed by various developed and developing countries namely US, Japan, China, European Union, Brazil, South Africa.

The Committee also met again on 26/04/2019 in the chamber of Dr. N.S. Dharmshaktu to prepare the final report in which following were present:-

1. Dr. N.S. Dharmshaktu, Principal Adviser (PH)
2. Dr. S.K. Khurana, Consultant (Path) & Secretary CIBRC, Dte. of PPQ&S, Faridabad.
3. Mr. Rohit Mishra, M/o Chemicals & Fertilizers
4. Mr. Jai Prakash, Dte. of PPQ&S, Faridabad
5. Mr. Avnish Tomar, Asst. Dir. (Chemistry), Dte. Of PPQ&S, Faridabad
6. Dr. Sandhya Kulshrestha, Consultant (Pharma), Dte. of PPQ&S, Faridabad.

(1) The change in classification is explained in the Table:-

**A) Present Classification of insecticides followed in India under Insecticide rule 1971**

Classification of insecticides	Medium Lethal dose by the oral route acute toxicity LD 50 mg/kg. body weight of test animal	Medium Lethal dose by the dermal route toxicity LD 50mg/kg Body weight of test animal	Colour identification band of the label	Remarks
1	2	3	4	5
1. Extremely Toxic	1-50	1-200	Bright Red	
2. Highly Toxic	51-500	201-2000	Bright Yellow	
3. Moderately	501-5000	2001-20000	Bright Blue	
4. Slightly Toxic	More than 5000	More than 20000	Bright Green	No product get this colour as no test done for LD 50 Dermal 20,000.

The Registration Committee was following colour coding based on only Toxicity Profile of Technical Products of the pesticides for classification of technical and its formulated products. As the Board has decided in its 51<sup>st</sup> meeting held on 04/03/2015 that fixation of toxicity triangle has to be done on all newly registered pesticides on the basis of toxicity formulations for the approved formulation and for technical grade on the basis of Toxicity of technical.

After detailed deliberations the committee recommended that the classification be revised for pesticides to align with the GHS classification to the extent possible .  
The recommendations finalized are as under:-

TABLE for Recommended Revised classification

Classification of the Insecticides 1		Medium lethal dose by the oral route acute toxicity LD 50 mg/kg.. body weight of test animals	Medium lethal dose by the dermal route dermal toxicity LD 50 mg/kg. Body weight of test animals	Colour of identification band on the label	Symbol/Signal word	Warning statement
		2	3	4	5	6
Category 1	Extremely toxic	<50	<200	Bright red	Skull & cross bones and the word 'Fatal poison' printed both in red colour	a) "KEEP OUT OF THE REACH OF CHILDREN" b) "IF SWALLOWED, OR IF, SYMPTOMS OF POISONING OCCUR CALL PHYSICIAN IMMEDIATELY"
Category 2	Highly toxic	51-500	201-1000	Orange	Skull & cross bones printed in red color and the word poison printed in red colour	a)"KEEP OUT OF THE REACH OF CHILDREN" b)"IF SWALLOWED, OR IF, SYMPTOMS OF POISONING OCCUR CALL PHYSICIAN IMMEDIATELY"
Category 3	Moderately toxic	501-1000	1001-1500	Bright yellow	POISON" printed in red	KEEP OUT OF THE REACH OF CHILDREN"

Category 4	Slightly toxic	1001- 5000	1501- 2000	Bright blue	DANGER	KEEP OUT OF THE REACH OF CHILDREN”
Category 5	Unlikely harmful	>5000	>2000	Bright green	CAUTION	KEEP OUT OF THE REACH OF CHILDREN”

(2) In addition, the Indian classification till date was based on the oral and dermal toxicity basis. The acute inhalation toxicities should also be taken into consideration in addition to oral and dermal route to classify the product toxicity and appropriately assigning the colour, symbol, signal word, and warning statement which is also included under GHS categorization.

The meeting ended with vote of thanks to chair.