Public Notice

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

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

The report of the Expert Committee was considered by the CIB in its 56th 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 with a copy to vivek.narayan14@nic.in and viveknarayan77@gmail.com

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

Vivek Narayan
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 52nd 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. Sandhya Kulshrestha, 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 52nd 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

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

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 51st 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>
<thead>
<tr>
<th>Classification of the Insecticides</th>
<th>Medium lethal dose by the oral route</th>
<th>Medium lethal dose by the dermal route</th>
<th>Colour of identification band on the label</th>
<th>Symbol/Signal word</th>
<th>Warning statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1</td>
<td>Extremely toxic</td>
<td>&lt;50 mg/kg.</td>
<td>Bright red</td>
<td>Skull &amp; cross bones and the word 'Fatal poison' printed both in red colour</td>
<td>a) &quot;KEEP OUT OF THE REACH OF CHILDREN&quot; b) &quot;IF SWALLOWED, OR IF, SYMPTOMS OF POISONING OCCUR CALL PHYSICIAN IMMEDIATELY&quot;</td>
</tr>
<tr>
<td>Category 2</td>
<td>Highly toxic</td>
<td>51-500 mg/kg.</td>
<td>Orange</td>
<td>Skull &amp; cross bones printed in red color and the word poison printed in red colour</td>
<td>a) &quot;KEEP OUT OF THE REACH OF CHILDREN&quot; b) &quot;IF SWALLOWED, OR IF, SYMPTOMS OF POISONING OCCUR CALL PHYSICIAN IMMEDIATELY&quot;</td>
</tr>
<tr>
<td>Category 3</td>
<td>Moderately toxic</td>
<td>501-1000 mg/kg.</td>
<td>Bright yellow</td>
<td>POISON printed in red</td>
<td>KEEP OUT OF THE REACH OF CHILDREN&quot;</td>
</tr>
</tbody>
</table>
(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.