

INTEGRATED PEST MANAGEMENT: CHEMICAL CONTROL

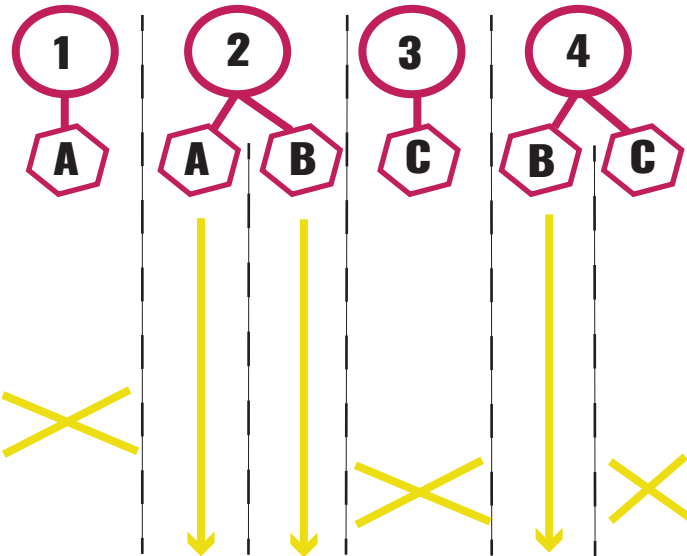
If, as a last resort, pesticides need to be used, the aim is to select the pesticide, or combination of pesticides, application method and application timing/pattern that are most effective and pose the least risk to human health, non-target organisms and ecosystems. **TIPWG advocates a four-step process:**

1 DETERMINING THE RANGE OF SUITABLE PESTICIDES

Control method

Application method

PEST PROBLEM



2 ASSESS POSSIBLE NON-TARGET EFFECTS

The most important information on the relative hazard of each pesticide is contained on the product's label and MSDS sheet.

Human health

Environment

Prioritise the remaining pesticides

- For each proposed application site, users should systematically consider the likely effects of the proposed application on operators, forest users, neighbours, as well as the aquatic and local environment.
- By prioritising site-specific risks, the relative importance of pesticide characteristics become clear and selection is easier.

3 APPLICATION

Once the chemical control method has been chosen, there are still a number of considerations and requirements that should be addressed prior to its application:

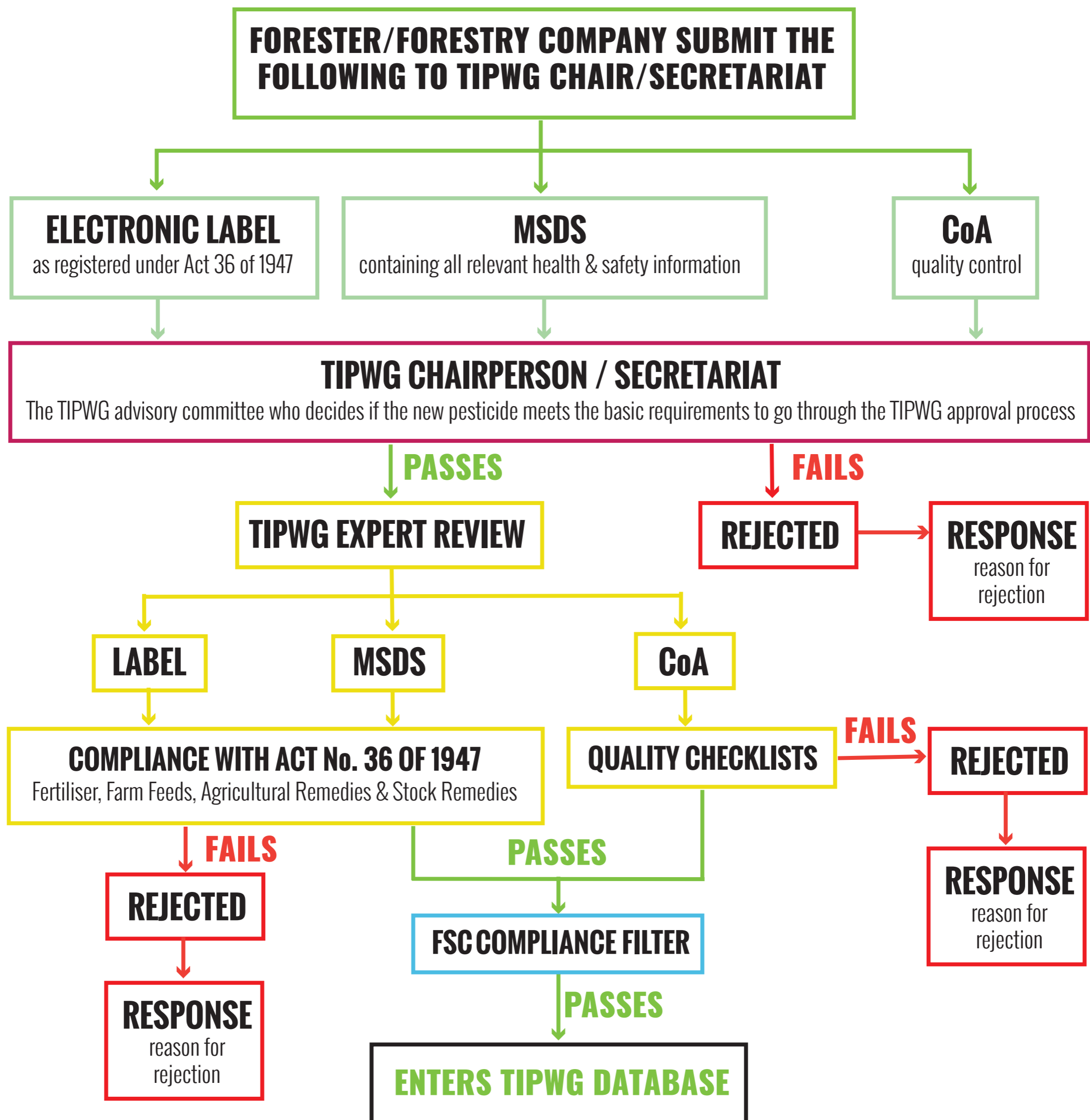
- Requirements/terms of use identified by national legislation/codes of practice
- Application requirements, including operator training, logistical considerations, alerting forest users of spraying and weather constraints
- Handling and disposal - *Refer to SOP handling and application & SOP disposal*

4 RECORDING

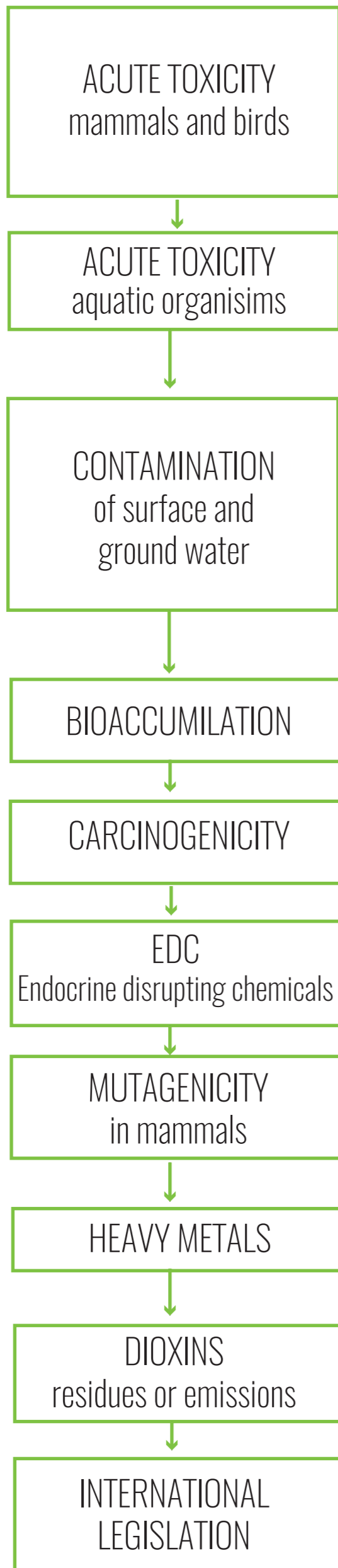
This is vital when applying any form of pesticide. Recording control measures should be applied to all pest-related decisions, even if they do not result in chemical control. Historic records aid and improve future decision making.

STANDARD OPERATING PROCEDURES: APPROVED PESTICIDE LIST

When a forester, or forestry company, see potential in a new pesticide that has been legally approved for use in South Africa they must submit a request to the manufacturers (possibly via their environment/safety department) for the electronic label, material safety data sheet (MSDS) and certificate of analysis (CoA). These documents must then be submitted to the TIPWG chairperson or secretariat, (contact details on www.tipwg.co.za), who will then initiate the TIPWG approval process required before any pesticide is added on the TIPWG approved pesticide list.

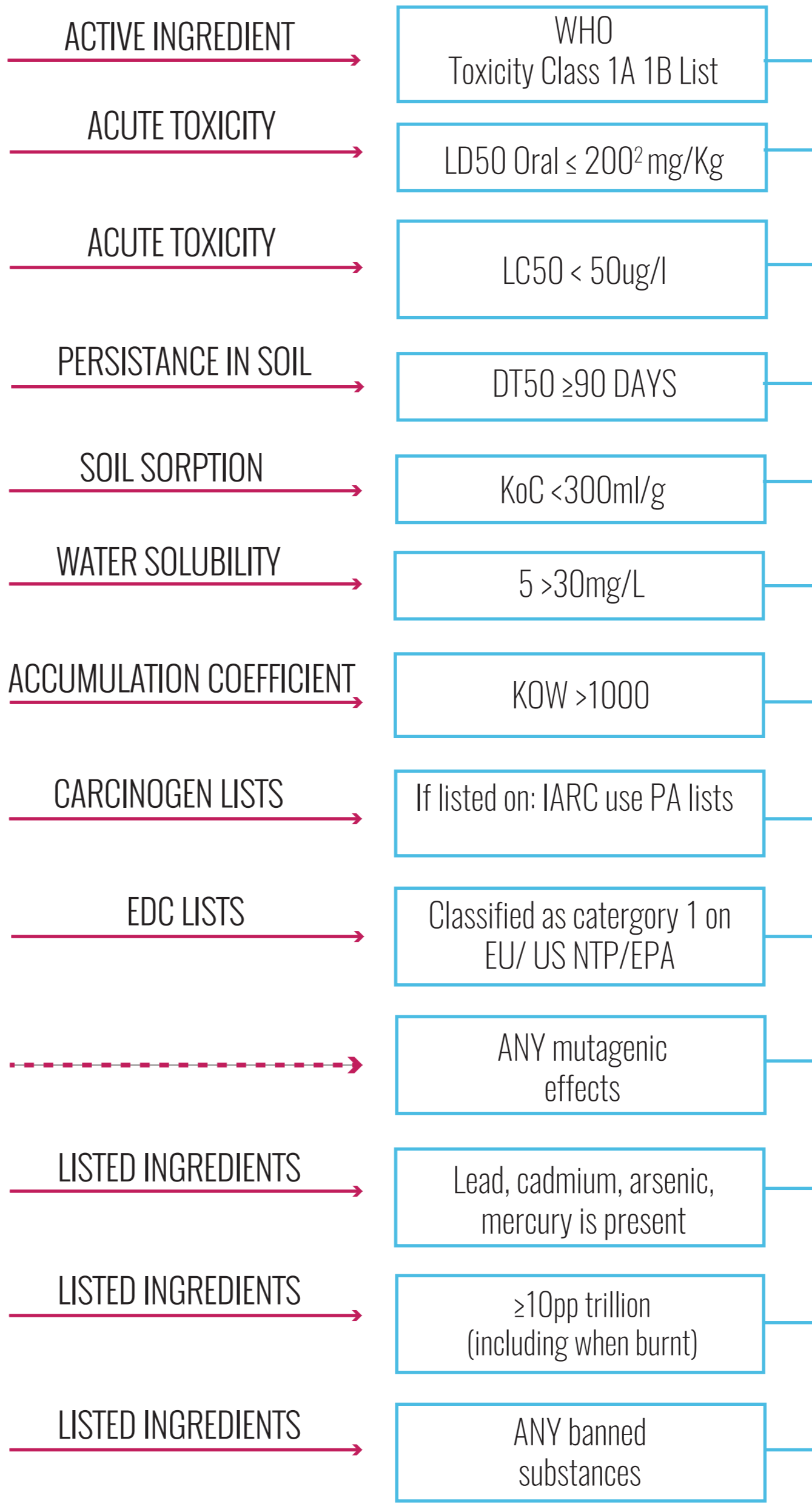


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