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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15670.7-2017

Replacing GB/T 15670-1995

**Toxicological test methods for pesticides registration - Part 7:
Dermal irritation/corrosion test**

农药登记毒理学试验方法 第7部分：皮肤刺激性/腐蚀性试验

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Foreword

GB/T 15670 "Pesticide registration toxicology test method" is divided into the following parts. - Part 1. General; - Part 2. Acute oral toxicity test; - Part 3. Sequential method of acute oral toxicity test; - Part 4. Acute oral toxicity test probability unit method; - Part 5. Acute percutaneous toxicity test; - Part 6. Acute inhalation toxicity test; - Part 7. Skin irritation/corrosivity test; - Part 8. Acute eye irritation/corrosivity test; - Part 9. Skin allergy (sensitization) test; - Part 10. Short-term repeated oral exposure (28 days) toxicity test; - Part 11. Short term repeated percutaneous exposure (28 days) toxicity test; - Part 12. Short-term repeated inhalation exposure (28 days) toxicity test; - Part 13. Subchronic toxicity test; - Part 14. Bacterial response mutations; - Part 15. Micronucleus test of mammalian bone marrow polychromatic erythrocytes; - Part 16. Chromosome aberration test of mammalian bone marrow cells in vivo; - Part 17. Chromosome aberration of spermatogonia/spermatocytes in mammals; - Part 18. Sexual lethal test of rodents; - Part 19. In vitro mammalian cell chromosome aberration test; - Part 20. In vitro mammalian cell gene mutation test; Part 21. Systemic DNA synthesis (UDS) test for mammalian hepatocytes in vivo; - Part 22. DNA damage and repair/programmed DNA synthesis in mammalian cells in vitro; - Part 23. Teratogenic tests; - Part 24. Two generations of reproductive toxicity tests; - Part 25. Acute delayed neurotoxicity test; - Part 26. Chronic toxicity test; - Part 27. Cancer test; - Part 28. Chronic toxicity and carcinogenesis trials; - Part 29. Metabolic and toxic kinetic tests. This part is part 7 of GB/T 15670. This part is drafted in accordance with the rules given in GB/T 1.1-2009. This part of the part of GB/T 15670-1995 "pesticide registration toxicology test method". This part of the GB/T 15670-1995 compared with the acute skin irritation test part of the main changes are as follows: - to modify and adjust the overall structure of the standard and the format of the arrangement; - Added chapters (see Chapter 1, Chapter 2, Chapter 3, Chapter 5, 6.1, 6.2.2, 6.3.2, Chapter 7, Chapter 8); - modified the number of experimental animals (see 6.2.1),

5.3.2 of.1995; - Increased number of skin irritation tests (see 6.3.2); - modified skin irritation score, increased skin corrosion (see Table 1,.1995 edition of Table 4); - Improved skin irritation grade, increased skin corrosion (see Table 2,.1995, Table 5). This section is made by the Ministry of Agriculture of the People's Republic of China. This part is headed by the Department of Agriculture and Plant Management of the People's Republic of China. This part of the drafting unit. Ministry of Agriculture Pesticide Testing Institute. This part of the main drafters. Qin Yuhui, Qu , Zhang Liying, Tao Chuanjiang. This part of the previous version of the standard to replace the release of the situation.

--- GB/T 15670-1995. Pesticide registration toxicology test method Part 7. skin irritation/corrosivity test

1 Scope

GB/T 15670.7-2017 is the Chinese national standard on toxicological test methods for pesticides registration - part 7: dermal irritation/corrosion test, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 12 July 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2018. Classification: ICS 65.100, CCS B17. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This part of GB/T 15670 specifies the basic principles, methods and requirements for skin irritation/corrosivity testing. This section applies to skin irritation/corrosivity tests for pesticide registration.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document. Laboratory Animal Environment and Facilities

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Skin irritation dermalirritation A reversible inflammatory change that occurs locally after application of the skin.

3.2 Skin corrosive dermalcorrosion An irreversible tissue injury that occurs locally after application of the skin.

4 Purpose of the test

Determine and evaluate whether the test substance has a stimulating or corrosive effect on the skin of the mammal and its extent.

5 Test Overview

Including acute skin irritation tests and multiple skin irritation tests. In the acute skin irritation test, the test substance is applied once On the skin of the tested animals, the degree of local irritation of the animal's skin was observed and scored at a prescribed time interval, To evaluate the effect of the test substance on the skin, the observation period should be sufficient to evaluate the reversibility or irreversibility of the effect; multiple skin irritation Sex test is in 14d, every day in the animal skin smear once the subject, according to the skin reaction score, determine the repeated exposure of the thorn Excitement.

6 Test method

6.1 Test substance The liquid test substance is generally free from dilution and is used directly. The solid test substance should be ground into fine powder and water or other non-irritating