

**SS 682:2022**  
(ICS 65.100;13.220)

**SINGAPORE STANDARD**

**Code of practice for the safe use of thermal foggers during pest management activities**

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ISBN 978-981-5042-84-9

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## Foreword

This Singapore Standard was prepared by the Working Group on Thermal Foggers set up by the Technical Committee on Chemicals and Processes under the purview of the Chemical Standards Committee.

In preparing this standard, reference was made to publications given below. Permission has been obtained from the following organisations for the reproduction of materials from their publications into this standard:

1. Agro Technic Pte Ltd – Agrofog/Igeba Thermal Fogger AF35 Instruction Manual
2. Workplace Safety and Health Council – Workplace Safety and Health Guidelines: Management of hazardous chemicals programme
3. World Health Organization – Space spray application of insecticides for vector and public health pest control : A practitioner's guide and Guidelines for dengue surveillance and mosquito control. 2nd ed.

Acknowledgement is made for the use of information from the above publications.

The figures included as examples in this Singapore Standard are collectively contributed by the Working Group members for the sole purpose of illustration. The inclusion of figures in this Singapore Standard does not connote any endorsement whatsoever of any product, service and/or design concept by the Working Group and Enterprise Singapore.

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### NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as "mature standards". Mature standards will not be subject to further review unless there are requests to review such standards.*
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3. *Compliance with a SS or TR does not exempt users from any legal obligations.*

## Code of practice for the safe use of thermal foggers during pest management activities

### 1 Scope

This standard specifies requirements for the safe use of thermal foggers in the following areas:

- Risk management (safety aspects in operating and handling of thermal foggers);
- Proper maintenance, storage and disposal;
- Fire prevention measures; and
- Proper emergency planning and first aid procedures.

This standard also provides best practices to improve the effectiveness of thermal fogging.

### 2 Normative references

The following referenced documents are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

SS 473-2	Specification for personal eye-protectors – Selection, use and maintenance
SS 513-1	Specification for personal protective equipment – Footwear – Part 1 : Safety footwear
SS 532	Code of practice for the storage of flammable liquids
SS 548	Code of practice for selection, use and maintenance of respiratory protective devices
SS 549	Code of practice for selection, use and maintenance of hearing protectors
SS 568	Code of practice on confined spaces
SS 586-3	Specification for hazard communication for hazardous chemicals and dangerous goods – Preparation of safety data sheets (SDS)
SS 593	Code of practice for pollution control
SS 603	Code of practice for hazardous waste management
SS 615	Code of practice for the transportation and storage of pesticides

World Health Organization. (2018). Equipment for vector control: Specification guidelines, 2nd ed.