



**RWANDA
STANDARD**

**DRS
565-3**

First edition

2023-mm-dd

Packaging of pesticides — Requirements

Part 3: Household pesticides

ICS 65.100.01

Reference number

DRS 565-3: 2023

© RSB 2023

DRS 565-3: 2023

In order to match with technological development and to keep continuous progress in industries, standards are subject to periodic review. Users shall ascertain that they are in possession of the latest edition

© RSB 2023

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without prior written permission from RSB.

Requests for permission to reproduce this document should be addressed to:

Rwanda Standards Board

P.O Box 7099 Kigali-Rwanda

KK 15 Rd, 49

Tel. +250 788303492

Toll Free: 3250

E-mail: info@rsb.gov.rw

Website: www.rsb.gov.rw

ePortal: www.portal.rsb.gov.rw

Formatted: German (Switzerland)

Formatted: German (Switzerland)

Formatted: German (Switzerland)

Field Code Changed

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	1
5 Specific requirements	2
Annex A (normative) Annex title	Error! Bookmark not defined.
A.1 General	Error! Bookmark not defined.
Annex B (informative) Which styles correspond to which element — Quick reference guide	Error! Bookmark not defined.

Copy for public comments

Foreword

Rwanda Standards are prepared by Technical Committees and approved by Rwanda Standards Board (RSB) Board of Directors in accordance with the procedures of RSB, in compliance with Annex 3 of the WTO/TBT agreement on the preparation, adoption and application of standards.

The main task of technical committees is to prepare national standards. Final Draft Rwanda Standards adopted by Technical committees are ratified by members of RSB Board of Directors for publication and gazettment as Rwanda Standards.

DRS 565-3 was prepared by Technical Committee RSB/TC 064, *Pesticides*.

In the preparation of this standard, reference was made to the following standard:

IS 8190-3: Requirements for packing of pesticides — Part 3: Household pesticides

The assistance derived from the above source is hereby acknowledged with thanks.

DRS 565 consists of the following parts, under the general title *Packaging of pesticides — Requirements*:

- *Part 1: Solid pesticides*
- *Part 2: Liquid pesticides*
- *Part 3: Household pesticides*
- *Part 4: Fumigants*

Committee membership

The following organizations were represented on the Technical Committee on *Pesticides* (RSB/TC 064) in the preparation of this standard.

Rwanda Forensic Laboratory

Rwanda Agriculture and Animal Resources Development Board

Rwanda Inspectorate, Competition and Consumer Protection Authority

University of Rwanda/College of Sciences and Technology

Rwanda Housing Authority

Rwanda Food and Drugs Authority

Copy for public comments

Packaging of pesticides — Requirements — Part 3: Household pesticides

1 Scope

This Draft Rwanda Standard gives the requirements for packaging of household pesticides.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

RS 406, *Pesticides — Terminology*

RS ISO 6361-5, *Wrought aluminium and aluminium alloys — Sheets, strips and plates — Part 5: Chemical composition*

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in RS 406 apply.

4 General requirements

4.1 The household pesticides, unless specified otherwise in Table 1 and 2 shall be packaged in a container in the quantities of 50 ml, 100 ml, 250 ml, 1 litre, 5 litres, 10 litres, 25 litres and 50 litres or 50 g, 100 g, 250 g, 500 g, 1 kg, 10 kg, 25 kg and 50 kg.

4.2 Primary package containing up to 1 kg or 1 litre of material, shall be further packaged in outer corrugated fibreboard boxes or wooden cases wherever they require transportation.

4.3 Glass bottles, wherever allowed, for packaging of liquid pesticides meant for household use shall be further packaged in outer corrugated fibreboard boxes or wooden cases cushioning and absorbing material.

4.4 The high density polyethylene (HDPE) used in fabrication of HDPE containers or its components shall be of designation HDPE 43 BA having melt flow index not more than 1.8 g/10 minutes.

4.5 The aluminium used in fabrication of containers shall conform to the grade 1050A of RS ISO 6361-5.

4.6 The trilaminate pouch shall consist of 55/60 g paper, 0.009 mm aluminium foil and 0.0375 mm polyethylene.

4.7 Containers of mild of mild steel and tinplate may or may not be lacquered internally but shall be lacquered externally to prevent rusting, if lithographed, the top and bottom components shall only be lacquered from the outside.

4.8 In case of containers holding solid pesticides, heat sealing of these containers, if applicable, shall be such that no powder comes out from seams during normal handling. Closures wherever provided shall be leak-proof.

4.9 In case of containers holding liquid pesticides, closures provided shall be such as not to allow any material to leak through them. These shall be pilferproof.

4.10 Containers holding 5 litres or more of liquid pesticides shall be provided with a suitable pouring device with each container.

4.11 Double hessian jute bags, DW tarpaulin laminated jute bags and HDPE woven sacks, used for packaging pesticides, wherever allowed, shall be provided with an Internal loose polyethylene, liner of not less than 0.062 mm thickness and in the form of tubular sheath, bottom sealed. The length and breadth of the loose liner shall be 10 percent and 5 percent more respectively than those of the outer bag.

4.12 The containers shall be of sturdy design and shall conform to relevant Specific Standards.

4.13 The packaging shall also conform to relevant standards for packaging of goods falling in the category of materials of low flash point, dangerous or toxic, wherever applicable.

4.14 Except the pesticides as specified in the Table 2, the household pesticides shall be packed in dry and clean containers as described in Table 1.

5 Specific requirements

The household pesticides shall be packaged in dry and clean containers as described in table 1 and 2.

Table 1 – Packaging requirements of household pesticides

S/N	Nature of pesticide	Quantity per package	Requirements
i.	Solid	Up to 1 kg	Polyethylene bags of thickness not less than 0.062 mm and its mouth heat-sealed. These bags shall be packaged individually in cardboard carton or high density polyethylene (HDPE) puffer pack without internal lining
		Above 1 kg	Mild steel or tinplate or fibreboard containers or double hessian jute bags or DW tarpaulin laminated jute bags or high density polyethylene (HDPE) woven sacks
ii.	Pastes	15 g or 25 g	Aluminium collapsible tubes internally plain or suitably lacquered and externally plain or lithographed
iii.	Liquid	25, 50, 100 ml	Mild steel or tinplate or high density polyethylene or aluminium or glass containers
		Above 100 ml	Mild steel or tinplate or high density polyethylene (HDPE) or aluminium containers
iv.	Aerosols	100 to 500 ml	Hermetically sealed tinplate or monoblock seamless aluminium rigid containers

Table 2 – Packaging requirements for household pesticides

S/N	Pesticides	Quantity per package	Requirements
i.	Zinc phosphide, technical	10 g	Hermetically sealed trilaminated pouch further packaged in paper envelope
ii.		50 g	Leakproof, seamless extruded rigid aluminium tubes. Suitable number of such tubes shall further be packed in leakproof, pilfer proof tapper plated in containers
iii.	Disinfectant fluids	-	Mild steel or tinplate containers. Galvanized iron steel containers shall not be used
iv.	Ethylene dibromide	0.5 ml	Plain neck clear glass ampoules wrapped either in suitable absorbent media like cotton/blotting paper weighing minimum 0.5 g and then be further packaged in cloth bag having 240-260 pores/cm ² or in paper and paper bobbin weighing minimum 1.5 g plugged with cotton at ends weighing minimum 0.1 g and stapled at both ends
v.		1.0 ml	Plain neck clear glass ampoules wrapped either in suitable absorbent media like cotton/blotting paper weighing minimum 1 g and then be further packaged in cloth bag having 240-260 pores/cm ² or in paper and paper bobbin weighing minimum 1.5 g plugged with cotton at ends weighing minimum 0.2 g and stapled at both ends
vi.		3 and 6 ml	Plain neck clear glass ampoules wrapped either in suitable absorbent media like cotton/blotting paper weighing minimum 2 g and then be further packaged in cloth bag having 240-260 pores/cm ² or in paper and paper bobbin weighing minimum 2.5 g plugged with cotton at ends weighing minimum 0.2 g and stapled at both ends
vii.		10 ml	Plain neck clear glass ampoules wrapped either in suitable absorbent media like cotton/blotting paper weighing minimum 3 g and then be further packaged in cloth bag having 240-260 pores/cm ² or in paper and paper bobbin weighing minimum 4 g plugged with cotton at ends weighing minimum 0.3 g and stapled at both ends

Bibliography

[1] ES 695: 2002, *Pesticides — Packaging*

DRS 565-3: 2023

Copy for public comments

Price based on nnn pages

©RSB 2023 - All rights reserved