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

GB 26447-2010

**Transport of dangerous goods -- Classification procedures, test
methods relating to ammonium nitrate fertilizers capable of
self-sustaining decomposition**

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

4 classification program

4.1 Sorted

4.2 Packaging division

4.3 Exceptions

5 Test methods

5.1 Principle

5.2 Equipment and Materials

5.3 Test procedure

5.4 results found

Foreword

Chapter 4.5 of this standard is mandatory, the rest are recommended.

This standard and the United Nations. the degree of consistency "Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria" (fourth revised edition) of non Equivalent, which is related to the technical content of the above-mentioned full agreement on a standard text format according to GB/T 1.1-2000 made editorial changes.

This standard and the United Nations "on the Recommendations on the Transport of Dangerous Goods. Manual of Tests and Criteria," the technical content correspond to the following.

Classification procedures, test methods and acceptance of response based substances and articles 9 classification procedures, test methods and judgment basis.

This standard is proposed and managed by the Dangerous Chemicals Management Standardization Technical Committee (SAC/TC251).

This standard is drafted. Jiangxi Exit Inspection and Quarantine.

It participated in the drafting of this standard. the Chemical Institute of Standardization, China Petroleum and Chemical Industry Association.

1 Scope

This standard specifies nitrate fertilizers capable of self-sustaining decomposition of the classification procedures, test methods and acceptance basis.

This standard applies to ammonium nitrate fertilizer can continue to self-decomposition of the classification test.

2 Normative references

Terms of the following documents become provisions of this standard by reference in this standard. For dated reference documents, all later

Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to agreements based on this standard

Whether the latest versions of these documents. For undated references, the latest version applies to this standard.

GB 6944 Classification and code of dangerous goods

UN "Recommendations on the Transport of Dangerous Goods. Model Regulations" (Fifteenth revised edition)

3 Terms and Definitions

GB 6944 and the United Nations "on the Recommendations on the Transport of Dangerous Goods. Model Regulations" (Fifteenth revised edition) established the following terms and

And definitions apply to this standard.

3.1

9 substances and articles (miscellaneous dangerous substances and articles)

substancesandarticlesofClass9 (miscellaneousdan-

geroussubstancesandarticles)

Dangerous substances and articles not included in other classes during transport.

3.2

Fertilizer can be self-sustaining decomposition

fertilizerscapableofself-sustainingdecomposition

In partial-induced decomposition can be extended to the whole of the fertilizer.

4 classification program

If you submit a new product transportation component in line with its UN number UN2071 definition, classification should be implemented before the program paid transportation.

4.1 Sorted

Test to determine the new products in the local decomposition caused by whether it will be extended to all the material. Recommended test methods, see section 5 of this standard

Zhang, whether a product is ammonium nitrate fertilizer Class 9 substances and articles depends on the test results.

4.2 Packaging division

All articles and 9 species of nitrate fertilizers are classified III packing.

4.3 Exceptions

Ammonium nitrate fertilizer having the composition UN2071 if self-sustaining experiments show that they are not easily decomposed and contained excess nitrate

The mass fraction of less than 10%, can be considered from the UN "Recommendations on the Transport of Dangerous Goods. Model Regulations" constraints.

5.1 Principle

The transportation to be submitted in the form of nitrate fertilizers charged level Mounting wire mesh tank by heating the underlying fertilizer portion initiator Board

solution. After removal of the initiating heat source, measuring the decomposition of fertilizer spread to the whole slot to determine whether a product is capable of self-sustaining decomposition of fertilizers.

5.2.1 groove wire mesh

1.5mm, wire diameter 1mm square hole wire mesh (recommended stainless steel) mesh made with about an upper opening, the internal dimension

150mm x 150mm x 500mm groove, as shown in FIG. 1, the width of the groove placed 15mm, having a thickness of 2mm steel strip holder

, The ends of the slots are available wire mesh 1.5mm thick stainless steel plate instead of 150mm x 150mm square.

If the particle size of the fertilizer composition of the fertilizer to make the most of the screen pass undetected grooves, holes, slots smaller mesh lined with the application or use

of a smaller mesh

Screen test slot. During initiation, and should provide sufficient heat to maintain adequate to produce a uniform decomposition front.

A --- steel sheet (150mm x 150mm, thickness 1mm ~ 3mm);

B --- gas burner;

C --- heat shield plate (thickness 2mm);

D --- bracket (width of 15mm, a thickness of 2mm steel strip made);

E --- Network (150mm x 150mm x 500mm) slot.

FIG wire mesh tank 1 with gas burners

And heating means mounted 5.2.2

Selection of one of the following two heating means for heating.

5.2.2.1 electric heating means

A power means in a stainless steel box for the electric heater is 250W, which is placed at one end of the slot, as shown in FIG. stainless

Steel cassette size is 145mm x 145mm x 10mm, steel wall thickness of about 3mm. While the box is not in contact with the fertilizer available 5mm

Thick protective insulation board, while heating the protective foil or stainless steel plate.

In millimeters

A --- aluminum or stainless steel sheet (thickness 3mm);

B --- insulation panel (5mm thick);

C --- aluminum or stainless steel sheet (thickness 3mm);

D --- the position of the heating means in the groove.

Electrical heating means in FIG. 2 (power 250W)

Gas heating means 5.2.2.2

A groove disposed in an end of 1mm thick steel sheets ~ 3mm and contact with the screen, as shown in FIG. The two gas burners solid

Held on the holder groove. Sheet to the steel sheet is heated and maintained at a temperature of 400 °C ~ 600 °C, i.e., dark red hot.