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NONFERROUS METAL INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

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YS/T 357-2015

Replacing YS/T 357-1994

O-Isopropyl-N-ethyl thionocarbamate

乙硫氨酯

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O-Isopropyl-N-ethyl thionocarbamate

1 Scope

This standard specifies the requirements, test methods, inspection rules and marking, packaging, transportation, storage, quality certificate and order form (or contract) content of O-Isopropyl-N-ethyl thionocarbamate.

This standard applies to O-Isopropyl-N-ethyl thionocarbamate flotation reagents, which are synthesized from isopropyl xanthate, monochloroacetic acid, sodium carbonate, monoethylamine as raw materials.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) is applicable to this standard.

GB/T 4472 Determination of density and relative density for chemical products

GB/T 6678 General principles for sampling chemical products

GB/T 6680 General rules for sampling liquid chemical products

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 9722 Chemical reagent - General rules for the gas chromatography

GB/T 13508 Polyethylene blown containers

SN/T 0271 Rules for the inspection of transport packaging for export commodities
- Plastic container

3 Requirements

3.1 Designation, chemical formula, structural formula, relative molecular mass, chemical name

The designation, chemical formula, structural formula, relative molecular mass, chemical name of O-Isopropyl-N-ethyl thionocarbamate shall comply with the

5.1.1 The product shall be inspected by the supplier's quality supervision department, to ensure that the product quality meets the requirements of this standard or the order form (or contract); meanwhile a quality certificate shall be filled out.

5.1.2 If necessary, the purchaser may inspect the received products, in accordance with the provisions of this standard. If the inspection results are inconsistent with the provisions of this standard or the order form (or contract), it shall be reported to the supplier, within 15 days from the date of receipt of the product, to be settled through negotiation between the supplier and the purchaser. If arbitration is required, arbitration sampling shall be carried out, jointly by both the supplier and the purchaser.

5.2 Group-batching

O-Isopropyl-N-ethyl thionocarbamate shall be submitted for acceptance in batches; each batch shall be composed of products of the same grade and appearance quality.

5.3 Inspection items

Each batch of products shall be inspected for chemical composition, physical requirements, appearance quality.

5.4 Sampling methods

The sampling method of O-Isopropyl-N-ethyl thionocarbamate shall be carried out, in accordance with the provisions of GB/T 6680. The number of product sampling units shall be carried out, in accordance with the provisions of GB/T 6678. The total amount of sampling shall meet the needs of inspection.

Divide the sample into two sets, each set has a sample volume of not less than 300 mL. Put them into clean and dry glass bottles with ground stoppers, respectively. Attach label, indicating the specimen name, batch number, sampling date. One bottle is for inspection AND the other bottle is kept for future reference.

5.5 Judgment of inspection results

5.5.1 If the chemical composition, physical requirements, appearance quality inspection results are inconsistent with this standard or the order form (or contract), it shall double the amount of samples, from the same batch of products for repeated test. If only one of the repeated test results does not comply with the requirements of this standard, the whole batch of products will be deemed unqualified. Digital rounding is performed, in accordance with GB/T 8170.

5.5.2 If the products received by the purchaser are damaged, due to transportation or storage, the departments involved shall be responsible.

6 Marking, packaging, transportation, storage, quality

certificates

6.1 Marking

Each packaging container shall be marked with a color, that is not easy to fall off:

- a) Supplier's name and address;
- b) Product name;
- c) Product batch number and net weight;
- d) This standard number;
- e) The words "Avoid sun exposure", "Avoid fire", "Do not reverse";
- f) Date of exit-factory (or date of packaging).

6.2 Packaging

6.2.1 Plastic barrel packaging

The product is available in 200 L closed plastic barrels, with a net product weight of $200\text{ kg} \pm 0.5\text{ kg}$ per barrel; or IBC plastic square barrels, with a net product weight of $800\text{ kg} \sim 1000\text{ kg}$ per barrel. Plastic barrels used for domestic products shall comply with the provisions of GB/T 13508; plastic barrels used for export products shall comply with the provisions of GB/T 13508 and SN/T 0271, meanwhile it shall be accompanied by valid inspection and quarantine results certificates.

6.2.2 If the purchaser has special requirements for packaging containers, they can be negotiated and agreed upon by both the supplier and the purchaser, and noted in the contract.

6.3 Transportation and storage

The storage conditions of the product shall be cool, ventilated, sun-proof, isolated from fire sources. The product cannot be placed horizontally or upside down.

6.4 Quality certificate

Each batch of products shall be accompanied by a quality certificate, stating:

- a) Supplier's name, address, telephone number, fax number;
- b) Name of the purchaser;
- c) Product name, designation, batch number, grade;

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