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

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**Dangerous goods -- Test method for determination of the
accelerating decomposition temperature**

危险品 自加速分解温度试验方法

(English Translation)

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Foreword

This corresponds to the standard of the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" and the United Nations "was built on the Transport of Dangerous Goods Recommendations Manual of Tests and Criteria ", with its non-equivalent. Its technical content and said full agreement in the standard text the present format press GB/T 1.1-2000 made editorial changes.

This standard is managed by the National Standardization Technical Committee chemicals dangerous (SAC/TC251) and focal points.

1 Scope

This standard specifies the dangerous goods SADT test equipment and test procedures, test report.

This standard applies to determine the substances to self-accelerating decomposition of the lowest constant ambient temperature at a specific package.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 19458 safety inspection of hazardous properties of dangerous goods - General specifications United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" United Nations "on the Recommendations of the Transport of Dangerous Goods Manual of Tests and Criteria"

3 Terms and Definitions

United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations", the United Nations' Recommendations on testing and standard transport of dangerous goods Associate Handbook ", GB 19458 and established the following terms and definitions apply to this standard.

Substance means possible self-accelerating decomposition temperature of the lowest in the container for transport.

4 Test Equipment

4.1

laboratory structure shall meet the following requirements.

--- Good insulation;

--- Provide thermostatically controlled air circulation, so as to maintain a uniform air temperature within a predetermined temperature $\pm 2^{\circ}\text{C}$;

--- Distance between the package and the wall of at least 100mm.

4.2

packet member ovens can be used to open the top of the 220L steel drums made. Should keep a distance of 100mm between the package and the furnace wall.

4.3

Large package oven may be made of wood 50mm x 100mm edge length 1.2m cubic frame, each side of both inside and outside Bordered 6mm thick waterproof plywood and all wrapped in 100mm thick fiberglass insulation. Even by the side of the frame hinge Events Then, in order to load and unload test barrels. 50mm x 100mm should be used a bottom surface of the timber spaced 200mm cushion, the test vessel Leaving the bottom surface and air can circulate freely around the package. Tether slats should be perpendicular to the door in order to move the truck test barrel. Fans should be installed in Opposite the door side. Airflow should flow on the oven top corner diagonally opposite lower corner of the exhaust fan. Available 2.5kW electric heater to heat air. Thermocouples should be placed in the air inflow and outflow pipes and oven top, middle, bottom.

4.4

For SADT below ambient temperature substances, the test should be carried out in a cooling chamber or solid carbon dioxide with cooling oven.

4.5

packages are installed with a thermowell for thermocouple placed in the center of the

package. Thermowell may be glass, stainless steel or other suitable when the material, but it can not be placed in a way to reduce package strength or venting capability of the package.

4.6

Test dangerous place should fire and explosion continuous measuring and recording temperature devices.

4.7

Test should be properly fire on, anti-virus and anti-explosion hazard of smoke place, it is recommended to leave the highway and was building some security the whole distance, for example 90m. If possible toxic, it should be kept long enough safe distance.