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

GB/T 22379-2017

Replacing GB 22379-2008

Sodium metal for industrial use

工业金属钠

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 22379-2008 "industrial metal sodium," compared with GB/T 22379-2008, in addition to editorial changes outside the main Technical changes are as follows:

- Modify the scope (see Chapter 1,.2008 edition Chapter 1);
 - Increased product classification. I for the nuclear industry and other industries; II for general industrial use (see Chapter 4);
 - Increase the requirements of the index of type I, and modify the index of the original index to index of type II (see 5.2,.2008 version 4.2);
 - Reagent of the methanol solution was modified to 95% ethanol (see 6.5.2.6.6,.2008 edition 5.6.2,5.9);
 - Increase of ICP-ICP-AES determination of iron content and potassium content (see 6.9).
- This standard proposed by the China Petroleum and Chemical Industry Federation. This standard by the National Standardization Technical Committee inorganic chemical branch (SAC/TC63/SC1) centralized. The main drafting units of this standard. Inner Mongolia Lan Tai Industrial Co., Ltd., Luoyang million base metal sodium Co., Ltd., Shandong Mo Rui technology Limited, CNOOC Tianjin Chemical Research and Design Institute Co., Ltd., Jiashan green environmental materials plant. The main drafters of this standard. Tian Lei, Mao Cheng, Cheng literature, Wang Ying, Wu Yingga, Zhang Chunmei, Liu Wang, Lu Siwei, Jiang Yufeng. This standard replaces the standards previously issued as.
- GB/T 22379-2008. Industrial sodium metal Warning
 - According to the provisions of Chapter 6 of GB 12268-2012, this product is a Class 4
- 4.3 Release of flammable gases in contact with water, operation Use caution. The test sample and the use of some of the reagents in this test method is toxic, flammable or corrosive, and should be careful in a fume hood Careful operation such as splashed on the skin should be immediately rinsed with water, severe cases should be treated immediately.

When using flammable products, it is forbidden to use open flame heating.

1 Scope

GB/T 22379-2017 is the Chinese national standard on sodium metal for industrial use, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 7 September 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 April 2018. Classification: ICS 71.060.10, CCS G13. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the classification of industrial sodium metal, requirements, test methods, inspection rules, signs, labels, packaging, transportation, storage and safety. This standard applies to industrial metal sodium. The product is mainly used in nuclear industry, chemical industry, medicine and other fields, mainly as a nuclear industry thermal agent, dilute Precious metal smelting reductant, a catalyst for synthetic rubber, and a desulfurizer for petroleum.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 190-2009 Dangerous goods packaging mark

GB/T 191-2008 Packaging - Pictorial signs

GB/T 3049-2006 Industrial chemical products - General method for the determination of iron content 1,10-phenanthroline spectrophotometry

GB/T 6678 General rules for sampling chemical products Laboratory use specifications and test methods for analysis GB/T 6682-2008

GB/T 8170 repair value expressed about the rules and limit values representations and judgments

GB 12268-2012 dangerous goods list of names General specification for transport of dangerous goods GB 12463-2009

HG/T 3696.1 Inorganic chemical products - Preparation of standard solutions, preparations

and preparations for chemical analysis - Part 1. Standard titration solution Preparation of liquid

HG/T 3696.2 Inorganic chemical products - Preparation of standard solutions, preparations and preparations for chemical analysis - Part 2. Impurity standards Preparation of liquid

HG/T 3696.3 inorganic chemical products - Chemical analysis of standard solutions, preparations and preparations - Part 3. Preparations and products Preparation JT617-2004 Rules for the Transport of Dangerous Goods by Car

3 Molecular formula and relative molecular mass

Molecular formula. Na. Relative molecular mass .22.99 (By International Relative Atomic Weight in.2016).

4 Categories

According to the different uses of industrial sodium metal will be divided into two categories.