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

SN/T 4198-2015

**Inspection rules for import and export dangerous chemical
products. Epoxyethane
(English Translation)**

Issued on: February 9, 2015

Implemented on: September 1, 2015

Issued by: General Administration of Customs

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Hunan Exit Inspection and Quarantine.

Introduction

Ethylene oxide is a simple cyclic ethers, are heterocyclic compounds, with a pungent odor of ether is a colorless gas at normal temperature and pressure, as a colorless liquid flows easily at low temperatures. Mainly for the manufacture of ethylene glycol, surfactants, detergents, plasticizers and resins. Our main to the origin, Liaoning, Shanghai, Zhejiang, Jiangsu, Tianjin and other major importing countries United Kingdom, and Singapore.

In accordance with the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (UNRTDG), ethylene oxide is classified as a Class 2.3 (Toxic gas) and section 2.1 classes (flammable gases) dangerous goods, the UN number 1040. Ethylene oxide is flammable, explosive and toxic gases, when the temperature is higher than 40 °C to start the polymerization, case of high fever can be dramatic decomposition of container rupture or explosion. Meanwhile, the ethylene oxide can pass Inhalation, skin absorption and symptoms of poisoning, acute poisoning, mainly as a narcotic effect on the central nervous system and the autonomic functions can disorders. headache, dizziness, nausea, vomiting, lightheadedness, weakness in limbs, muscle bundle fibrillation and systemic sweating, coma; chronic exposure to small amounts of ethylene oxide, can be Cause neurasthenic syndrome and autonomic dysfunction caused by chronic poisoning.

In March 2011 the State Council issued the "dangerous chemical safety regulations" [591 State Council Decree] provides for inspection and quarantine departments Responsible for the import and export of hazardous chemicals and their packaging implementation of the inspection. To ensure the effective implementation of the relevant inspection and quarantine operations, standardize import and export Dangerous chemicals and packaging inspection and supervision work, the development of this standard.

Import and export of dangerous chemicals inspection of ethylene oxide Warning. Use of this standard should have the relevant inspection or testing work experience and relevant qualifications. This standard does not indicate all possible security issues. Users are responsible for the use of appropriate safety and health practices and to ensure compliance with relevant national regulations condition.

1 Scope

This standard specifies the import and export of ethylene oxide and packaging requirements, testing, qualified judgment and disposition.

This standard applies to the import and export of ethylene oxide and its packaging inspection.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3723 Sampling of chemical products for industrial use General Safety GB/T 6678 General Principles for Sampling Chemical Products GB/T 6681 General rules for sampling gas chemicals GB/T 13098 Industrial ethylene oxide GB 15258 rules for preparation of chemical safety labels GB 30000.3 classification and labeling of chemicals - Part 3. flammable gases GB 30000.18 classification and labeling of chemicals - Part 18. Acute toxicity SN/T 1828.10 import and export of dangerous goods classification - Test methods - Part 10. Toxic gases SN/T 1828.12 import and export of dangerous goods classification - Test methods - Part 12. Flammable Gas SN/T 3656.2 import and export of hazardous chemicals test specification - Part 2. Gas List of Hazardous Chemicals (2002 Edition) About Recommendations on the Transport of Dangerous Goods Model Regulations (UNRTDG) on Transport of Dangerous Goods Manual of Tests and Criteria Recommendations Globally Harmonized System of Classification and Labelling (GHS)

3 Terms and Definitions

GB 30000.3, the terms and definitions GB 30000.18 and SN/T 3656.2 defined apply to this document.

4 Product Properties

4.1

Chinese name. ethylene oxide, also known as ethylene oxide, dioxane, a tricyclic oxygen.

4.2

English name. epoxyethane, ethyleneoxide, oxane, ethyleneoxide.

4.3

CAS number. 75-21-8.

4.4

Molecular formula. C_2H_4O .

4.5

Molecular Weight. 44.05.