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

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**Phrase and codification of chemical hazard statements
(English Translation)**

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Foreword

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

The standard refers to the United Nations' Globally Harmonized System of Classification and Labeling "(Globally Harmonized System of Classification and Labeling of Chemicals, referred to as the GHS, Revision 4) develop, consistent technical content and GHS.

This standard was proposed by the State Administration of Production Safety Supervision and Management.

This standard by the National Standardization Technical Committee on Chemical Safety Production Security Technical Committee (SAC/TC288/SC3) centralized.

Drafted by. State Administration of Production Safety Supervision and Chemical Registration Center, Qingdao, China Petroleum & Chemical Corporation Full Engineering Institute.

1 Scope

This standard specifies the pictogram of chemicals, the danger of description, the phrase precautionary statements and code.

This standard applies to chemical classification and hazard communication.

2 Normative references

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

GB 13690 chemical classification and hazard communication General the United Nations' Globally Harmonized System of Classification and Labeling

"(Globally Harmonized System of Classification and Labeling of Chemicals, referred to as the GHS, Revision 4)

3 Terms and Definitions

GB 13690 and defined in the following terms and definitions apply to this document.

Hazard Information hazard statements Including pictograms, hazard statements and precautionary statements.

Hazard Information Code codification of hazard statements Pictogram, hazard precautionary statements and instructions corresponding to the code.

4 and codes pictogram GHS pictogram include bombs, flame, flame above the circle, high pressure cylinders, corrosion, skull and cross bones, exclamation point, health hazard Insurance, environment, a total of nine graphics.

Pictograph code consists of three English letters, Arabic numerals two. The first three letters "GHS", said the two followed by the number Word 01-09 representation. For example, GHS01 expressed bombs. Each pictogram code in Appendix A.

5 Hazard statements with the code phrase

GHS description includes the risk of physical hazards, health hazards and environmental hazards of three parts, respectively a phrase expressed in normal Chinese characters, corresponding to in each category or categories of chemicals.

Risk Description code consists of a three letters and Arabic numerals. The first digit indicates Hazard statements by the letter "H", the first Two digital 2,3,4 represent physical hazards, health hazards and environmental hazards, the last two numerals corresponding to the two or substance mixture the inherent properties of hazardous compounds. For example, an explosive (code H200-H210), Flammability (Code H220-H230).

Hazard statements and codes see Appendix B.

6 Precautionary statements with the code phrase

GHS precautionary statements included in the general measures, prevention, emergency measures, storage and disposal of five parts, with the standard Chinese characters phrase expressed, Corresponding to each type or class of chemicals.

A precautionary statement code consists of three letters and Arabic numerals. The first digit indicates Precautionary statements by the letter "P", second place Digital 1,2,3,4,5 represent the general measures precautionary statements, precautionary statements preventive measures, incident response precautionary statements, security storage precautions DESCRIPTION OF DISPOSAL precautionary statements, with the last two

numbers indicate two numbers corresponding to the sequence described in prevention.

Precautionary statements and codes in Appendix C.

Appendix A

(Informative)

Pictograms and codes Pictogram and the code in Table A.1.

Table A.1 code table and pictograms

Pictogram

Symbol Name bomb explosion flame circle above the flame Code GHS01 GHS02 GHS03
Pictogram Symbol Name and intersecting its cylinder skull bone corrosion Code GHS04
GHS05 GHS06 Pictogram Environmental health hazards exclamation point symbol name
Code GHS07 GHS08 GHS09 Appendix B (Informative) Hazard statements and codes B.1
Hazard statements phrase code table and explained

Table B.1, Table B.2, B.3 table list the physical hazards, health hazards, the risk of
environmental hazards and explain the code phrase. The tables

It contains the following four columns.

Column 1 code instructions specify risk corresponding code.

Column 2 Hazard statements phrase, setting out the full description of the risk.

Column 3 endangered species, listed hazard statements corresponding to the type.

Column 4 hazard class, hazard statements set out in the corresponding risk categories.

B.2 Hazard statements phrase and code table

Table B.1 physical hazards and the risk phrase code table described

Code Hazard statements phrase hazard class Hazard category H200 Unstable explosive
Unstable explosive Explosives H201 explosives. Explosives 1.1 mass explosion hazard
H202 explosives. severe projection hazard Explosives 1.2 H203 Explosives. fire, blast or
projection hazard Explosives 1.3 H204 Fire or projection hazard Explosives 1.4 H205 May
mass explode in fire explosives 1.5 H220 Extremely flammable gas flammable gases 1
H221 flammable gases flammable gases 2 H222 Extremely flammable aerosol Aerosol 1
H223 Flammable aerosol 2 H224 Extremely flammable liquid and vapors of flammable
liquids 1 H225 Highly flammable liquid and vapors of flammable liquids 2 H226 Flammable
liquids and vapors of flammable liquids 3 H227 Combustible liquid 4 flammable liquid H228
Flammable Flammable solid solid 1,2 H229 Pressurized container. can explode when
exposed to heat an aerosol, 2, 3 H230 Even in the absence of air also Explosive reactions
may occur Flammable gases (including chemical nature Stable gas) H231 at high pressure
and/or temperature even in the absence Air explosive reaction may occur Flammable gases

(including chemical nature Stable gas)

Table B.1 (continued)

Code Hazard statements phrase hazard class Hazard category H240 Heating may cause an explosion Self-reactive substances and mixtures; Organic peroxide A type H241 Heating may cause a fire or explosion Self-reactive substances and mixtures; Organic peroxide Type B H242 Heating may cause a fire Self-reactive substances and mixtures; Organic peroxide C, D, E, F type H250 exposure to air of spontaneous combustion of liquid; 1 pyrophoric solids H251 autothermal; combustible substances and mixtures 1 Since heating in large quantities H252; autothermal combustible substances and mixtures 2 H260 water releases flammable gas may be pyrophoric Contact with water emit flammable gases and mixtures H261 water releases flammable gas Contact with water emit flammable gases and mixtures 2,3 H270 combustion may cause or exacerbate; oxidant gas 1 H271 may cause fire or explosion; strong oxidizing agent liquid; solid oxide 1 H272 may increase combustion; liquid oxidant; oxide solid 2,3 H280 Contains gas under pressure; may explode if heated high-pressure gas compressed gases, liquefied gases, dissolved gases H281 Contains refrigerated gas; may cause cryogenic Burns or injury Refrigerated liquefied gas high pressure gas Corrosion metals may be corrosive to metals H290 1

Table B.2 health hazard Hazard statements phrase and code table

Code Hazard statements phrase hazard class Hazard category H300 fatal if swallowed Acute toxicity - oral 1,2 H301 Toxic if swallowed Acute toxicity - Oral 3 H302 Harmful if swallowed Acute toxicity - oral 4 H303 Harmful if swallowed Acute toxicity - oral 5 H304 May be fatal if swallowed and enters airways inhalation hazard 1 H305 May be harmful if swallowed and enters airways inhalation hazard 2 H310 Fatal in contact with skin Acute toxicity - percutaneous 1,2 H311 Toxic in contact with skin Acute toxicity - Percutaneous 3 Acute toxicity Harmful in contact with skin H312 - Percutaneous 4 H313 Harmful in contact with skin Acute toxicity - percutaneous 5 H314 cause severe skin burns and eye damage Skin corrosion/irritation 1A, 1B, 1C

Table B.2 (continued)

Code Hazard statements phrase hazard class Hazard category H315 Causes skin irritation Skin corrosion/irritation 2 H316 Causes mild skin irritation Skin corrosion/irritation 3 H317 may cause skin sensitization allergic skin reaction 1,1A, 1B H318 Causes serious eye damage Serious eye damage/eye irritation 1 H319 Causes serious eye irritation Serious eye damage/eye irritation 2A H320 Causes eye irritation Serious eye damage/eye irritation 2B H330 Fatal if inhaled Acute toxicity - Inhalation 1,2 Toxic by inhalation H331 Acute toxicity - inhalation 3 H332 Harmful if inhaled Acute toxicity - inhalation 4 H333 May be harmful if inhaled Acute toxicity - inhalation 5 H334 Inhalation may cause allergy or asthma Symptoms or breathing difficulties Respiratory sensitization 1,1A, 1B H335 may cause respiratory irritation Specific target organ toxicity - single exposure.