

CCS A80



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

GB 30000.29-2013

**Rules for classification and labelling of chemicals - Part 29:
Hazardous to the ozone layer**

化学品分类和标签规范 第29部分：对臭氧层的危害

Issued on: October 10, 2013

Implemented on: November 1, 2014

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

1 Scope

1.00 CHF₂Br HBFC-22B1 1

1.0 C₃H₄F₃Br 12 0.07 ~

1.1 The third category C₂H₃Cl₃ 1,1,1- trichloroethane b

1.2 C₂H₂FBr₃ 3 0.1 ~

1.4 C₃H₃FBr₄ 12 0.08 ~

1.5 C₂H₂F₃Br 3 0.7 ~

1.6 C₂HF₄Br 2 0.7 ~

1.7 C₂H₃F₂Br 3 0.2 ~

1.8 C₂HF₃Br₂ 3 0.4 ~

1.9 C₃HF₃Br₄ 12 0.3 ~

2 Normative references

2.0 C₃HF₆Br 5 0.7 ~

2.1 C₃H₂F₃Br₃ 18 0.2 ~

2.2 C₃HF₅Br₂ 9 0.9 ~

3 Terms and Definitions

3.0 CF₃Br halon-1301

3.1 C₃H₃F₃Br₂ 18 0.1 ~

3.3 C₃H₂FBr₅ 9 0.1 ~

4 Classification Standard

4.4 C₃H₄FBr₃ 12 0.03 ~

5 Decision logic

5.6 C₃H₂F₄Br₂ 16 0.3 ~

6 Label

6.1 Overview

7.5 C₃H₂F₅Br 8 0.9 ~

10.0 C₂F₄Br₂ halon-2402

Appendix A

Appendix B

Appendix C

Appendix D

Appendix E

Foreword

Section 4 of this chapter, Chapter 6, are mandatory, the rest are recommended. GB 30000 "chemical classification and labeling norms," the expected structure and national standards will be replaced as follows:

- Part 1. General (instead of GB 13690-2009);
- Part 2. Explosives (instead of GB 20576-2006);
- Part 3. flammable gases (instead of GB 20577-2006);
- Part 4. Aerosol (instead of GB 20578-2006);
- Part 5. oxidizing gas (instead of GB 20579-2006);
- Part 6. pressurized gas (instead of GB 20580-2006);
- Part 7. flammable liquids (instead of GB 20581-2006);
- Part 8. Flammable solids (instead of GB 20582-2006);
- Part 9. Self-reactive substances and mixtures (instead of GB 20583-2006);
- Part 10. Pyrophoric liquids (instead of GB 20585-2006);
- Part 11. Spontaneous solid (instead of GB 20586-2006);
- Part 12. Self-heating substances and mixtures (instead of GB 20584-2006);
- Part 13. water, emit flammable gases and mixtures (instead of GB 20587-2006);

1 Scope

GB 30000.29-2013 is the Chinese national standard on rules for classification and labelling of chemicals - part 29: hazardous to the ozone layer. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 10 October 2013 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 November 2014. Classification: ICS , CCS A80. 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 part of GB 30000 specifies the terms and definitions of the ozone layer have harmful chemicals, classification criteria, decision logic and labels. This section applies to chemicals hazardous to the ozone layer by having the United Nations' Globally Harmonized System of

Classification and Labelling "(hereinafter referred to as GHS) of classification and labeling. This section does not apply to ODS containing hazardous equipment, goods and electrical appliances (such as refrigerators or air-conditioning equipment, etc.).

1.00 CHF₂Br HBFC-22B1 1

0.74 CH₂FBr 1

0.73 C₂H₂FBr₄ 2 0.3 ~

0.8 C₂H₂F₂Br₃ 3 0.5 ~

1.0 C₃H₄F₃Br 12 0.07 ~

0.8 C₃H₅FBr₂ 9 0.04 ~

0.4 C₃H₅F₂Br 9 0.07 ~

0.8 C₃H₆FBr 5 0.02 ~

0.7 The third category CH₂BrCl bromochloromethane 1

0.12 a The ODP is based on the estimated number of existing knowledge, which will be subject to periodic review and revision. A.4 Accessories "Montreal Protocol" E in Table A.4. Table A.4 Annex E "Montreal Protocol" Category Code Substance Chemical Formula ozone-depleting potential (ODP value) a The first CH₃Br a methyl bromide

0.7 a The ODP is based on the estimated number of existing knowledge, which will be subject to periodic review and revision.

1.1 The third category C₂H₃Cl₃ 1,1,1- trichloroethane b

0.1 a The ODP is based on the estimated number of existing knowledge, which will be subject to periodic review and revision. b Non-1,1,2-trichloroethane. A.3 Annex C "Montreal Protocol" in Table A.3. Table A.3 in Annex C "Montreal Protocol" Number of category codes isomer of formula substance ozone-depleting potential (ODP value) a the first sort CHFCl₂ HCFC-214 1

0.04 CHF₂Cl HCFC-224 1

0.055 CH₂FCl HCFC-31 1

0.02 C₂HFCI₄ HCFC-121 2 0.01 ~

0.04 C₂HF₂Cl₃ HCFC-122 3 0.02 ~

0.08 C₂HF₃Cl₂ HCFC-123 3 0.02 ~

0.06 CHCl₂CF₃ HCFC-1234 -

0.02 C₂HF₄Cl HCFC-124 2 0.02 ~

0.04 CHFCICF3 HCFC-1244 -

0.022 C2H2FCI3 HCFC-131 3 0.007 ~

0.05 C2H2F2CI2 HCFC-132 4 0.008 ~

0.05 C2H2F3CI HCFC-133 3 0.02 ~

0.06 C2H3FCI2 HCFC-141 3 0.005 ~

0.07 CH3CFCl2 HCFC-141b4 -

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 13690 chemical classification and hazard communication General The United Nations' Globally Harmonized System of Classification and Labelling "(fourth revised edition) United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (Seventeenth revised Edition) Parties to the International Convention "on Substances that Deplete the Montreal Protocol"

3 Terms and Definitions

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

3.1 ODP ozonedepletingpotential; ODP The difference between the amount of a particular compound emissions relative to the same quality of trichlorofluoromethane, the entire ozone comprehensive disturbance ratio.

3.1 C3H3F3Br2 18 0.1 ~

2.5 Table A.3 (continued) Number of category codes isomer of formula substance
ozone-depleting potential (ODP value) a The second category C3H3F4Br 12 0.3 ~

4 Classification Standard

Substances and mixtures classified as category 1 in Table 1. Table 1 division hazardous substances and mixtures standard for ozone Standard category Any controlled listed in the annex "on Ozone Depleting Substances Montreal Protocol" (hereinafter referred to as "the Montreal Protocol") Substance; or It is listed in Annex "Montreal Protocol" (see Appendix A) component of any mixture containing at least one concentration of not less than 0.1%

4.4 C3H4FBr3 12 0.03 ~