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[Code of Federal Regulations]  
[Title 21, Volume 3]  
[Revised as of April 1, 2008]  
[CITE: 21CFR184.1240]

TITLE 21--FOOD AND DRUGS  
CHAPTER I--FOOD AND DRUG ADMINISTRATION  
DEPARTMENT OF HEALTH AND HUMAN SERVICES  
SUBCHAPTER B--FOOD FOR HUMAN CONSUMPTION (CONTINUED)

[PART 184 -- DIRECT FOOD SUBSTANCES AFFIRMED AS GENERALLY  
RECOGNIZED AS SAFE](#)

Subpart B--Listing of Specific Substances Affirmed as GRAS

Sec. 184.1240 Carbon dioxide.

(a) Carbon dioxide (empirical formula CO<sub>2</sub>, CAS Reg. No. 124-38-9) occurs as a colorless, odorless, noncombustible gas at normal temperatures and pressures. The solid form, dry ice, sublimates under atmospheric pressure at a temperature of -78.5 deg. C. Carbon dioxide is prepared as a byproduct of the manufacture of lime during the "burning" of limestone, from the combustion of carbonaceous material, from fermentation processes, and from gases found in certain natural springs and wells.

(b) The ingredient must be of a purity suitable for its intended use.

(c) In accordance with 184.1(b)(1), the ingredient is used in food with no limitations other than current good manufacturing practice. The affirmation of this ingredient as generally recognized as safe (GRAS) as a direct human food ingredient is based upon the following current good manufacturing practice conditions of use:

(1) The ingredient is used as a leavening agent as defined in 170.3(o)(17) of this chapter; a processing aid as defined in

170.3(o)(24) of this chapter; and a propellant, aerating agent, and gas as defined in 170.3(o)(25) of this chapter.

(2) The ingredient is used in food at levels not to exceed current good manufacturing practice.

(d) Prior sanctions for this ingredient different from the uses established in this section do not exist or have been waived.

[48 FR 57270, Dec. 29, 1983, as amended at 73 FR 8607, Feb. 14, 2008]

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