110TH CONGRESS 1ST SESSION H.R. 2693

AN ACT

To direct the Occupational Safety and Health Administration to issue a standard regulating worker exposure to diacetyl.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,

1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the "Popcorn Workers Lung3 Disease Prevention Act".

4 SEC. 2. FINDINGS.

5 Congress finds the following:

6 (1) An emergency exists concerning worker ex7 posure to diacetyl, a substance used in many
8 flavorings, including artificial butter flavorings.

9 (2) There is compelling evidence that diacetyl 10 presents a grave danger and significant risk of life-11 threatening illness to exposed employees. Workers 12 exposed to diacetyl have developed, among other con-13 ditions, a debilitating lung disease known as 14 bronchiolitis obliterans.

15 (3) From 2000–2002 NIOSH identified cases 16 of bronchiolitis obliterans in workers employed in 17 microwave popcorn plants, and linked these illnesses 18 to exposure to diacetyl used in butter flavoring. In 19 December 2003, NIOSH issued an alert "Preventing" 20 Lung Disease in Workers Who Use or Make Flavorings," recommending that employers imple-21 22 ment measures to minimize worker exposure to diac-23 etyl.

24 (4) In August 2004 the Flavor and Extract
25 Manufacturers Association of the United States
26 issued a report, "Respiratory Health and Safety in
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the Flavor Manufacturing Workplace," warning
 about potential serious respiratory illness in workers
 exposed to flavorings and recommending comprehen sive control measures for diacetyl and other "high
 priority" substances used in flavoring manufac turing.

7 (5)From 2004-2007 additional cases of 8 bronchiolitis obliterans were identified among work-9 ers in the flavoring manufacturing industry by the 10 California Department of Health Services and Divi-11 sion of Occupational Safety and Health (Cal/ 12 OSHA), which through enforcement actions and an 13 intervention program called for the flavoring manu-14 facturing industry in California to reduce exposure 15 to diacetyl.

(6) In a report issued in April 2007, NIOSH
reported that flavor manufacturers and flavored-food
producers are widely distributed in the United
States and that bronchiolitis obliterans had been
identified among microwave popcorn and flavoringmanufacturing workers in a number of States.

(7) Despite NIOSH's findings of the hazards of
diacetyl and recommendations that exposures be
controlled, and a formal petition by labor organizations and leading scientists for issuance of an emer-

gency temporary standard, the Occupational Safety
 and Health Administration (OSHA) has not acted to
 promulgate an occupational safety and health stand ard to protect workers from harmful exposure to di acetyl.

6 (8) An OSHA standard is urgently needed to
7 protect workers exposed to diacetyl from
8 bronchiolitis obliterans and other debilitating condi9 tions.

10 SEC. 3. ISSUANCE OF STANDARD ON DIACETYL.

11 (a) INTERIM STANDARD.—

(1) RULEMAKING.—Notwithstanding any other
provision of law, not later than 90 days after the
date of enactment of this Act, the Secretary of
Labor shall promulgate an interim final standard
regulating worker exposure to diacetyl. The interim
final standard shall apply—

18 (A) to all locations in the flavoring manu19 facturing industry that manufacture, use, han20 dle, or process diacetyl; and

(B) to all microwave popcorn production
and packaging establishments that use diacetylcontaining flavors in the manufacture of microwave popcorn.

1	(2) REQUIREMENTS.—The interim final stand-
2	ard required under subsection (a) shall provide no
3	less protection than the recommendations contained
4	in the NIOSH Alert "Preventing Lung Disease in
5	Workers Who Use or Make Flavorings" (NIOSH
6	Publication 2004–110) and include the following:
7	(A) Requirements for engineering, work
8	practice controls, and respiratory protection to
9	minimize exposure to diacetyl. Such engineering
10	and work practice controls include closed proc-
11	esses, isolation, local exhaust ventilation, proper
12	pouring techniques, and safe cleaning proce-
13	dures.
14	(B) Requirements for a written exposure
15	control plan that will indicate specific measures
16	the employer will take to minimize employee ex-
17	posure; and requirements for evaluation of the
18	exposure control plan to determine the effective-
19	ness of control measures at least on a biannual
20	basis and whenever medical surveillance indi-
21	cates abnormal pulmonary function in employ-
22	ees exposed to diacetyl, or whenever necessary
23	to reflect new or modified processes.

1	(C) Requirements for airborne exposure
2	assessments to determine levels of exposure and
3	ensure adequacy of controls.
4	(D) Requirements for medical surveillance
5	for workers and referral for prompt medical
6	evaluation.
7	(E) Requirements for protective equipment
8	and clothing for workers exposed to diacetyl.
9	(F) Requirements to provide written safety
10	and health information and training to employ-
11	ees, including hazard communication informa-
12	tion, labeling, and training.
13	(3) EFFECTIVE DATE OF INTERIM STAND-
14	ARD.—The interim final standard shall take effect
15	upon issuance. The interim final standard shall have
16	the legal effect of an occupational safety and health
17	standard, and shall apply until a final standard be-
18	comes effective under section 6 of the Occupational
19	Safety and Health Act (29 U.S.C. 655).
20	(b) FINAL STANDARD.—Not later than 2 years after
21	the date of enactment of this Act, the Secretary of Labor
22	shall, pursuant to section 6 of the Occupational Safety and
23	Health Act (29 U.S.C. 655), promulgate a final standard
24	regulating worker exposure to diacetyl, if at such time,
25	diacetyl is still being processed or utilized in facilities sub-

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ject to such Act. The final standard shall contain, at a
 minimum, the worker protection provisions in the interim
 final standard, a short term exposure limit, and a permis sible exposure limit that does not exceed the lowest fea sible level, and shall apply at a minimum to all facilities
 where diacetyl is processed or used.

7 SEC. 4. STUDY AND RECOMMENDED EXPOSURE LIMITS ON 8 OTHER FLAVORINGS.

9 (a) STUDY.—The National Institute for Occupational 10 Safety and Health shall conduct a study on food flavorings 11 that may be used as substitutes for diacetyl and shall 12 transmit a report of the findings of the study to the Occu-13 pational Safety and Health Administration.

(b) CONSTRUCTION.—Nothing in this section shall be
construed as affecting the timing of the rulemaking outlined in section 2.

Passed the House of Representatives September 26, 2007.

Attest:

Clerk.

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