

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5189 as follows:

§ 5189. Process Safety Management of Acutely Hazardous Materials.

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(d) Process Safety Information.

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(1) Information pertaining to hazards of the acutely hazardous and flammable materials used in the process. This information shall consist of at least the following:

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(G) Hazardous effects of incompatible mixtures which could ~~foreseeably~~ foreseeably occur.

Note: ~~Material~~ Safety Data Sheets meeting the requirements of Section 5194(g) may be used to comply with this requirement to the extent they meet the information provisions.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3 and 7856, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5192 as follows:

§5192. Hazardous Waste Operations and Emergency Response.

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(g) Engineering Controls, Work Practices, and Personal Protective Equipment for Employee Protection: Engineering controls, work practices, PPE, or a combination of these shall be implemented in accordance with this subsection to protect employees from exposure to hazardous substances and safety and health hazards.

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(2) Engineering controls, work practices, and PPE for substances not regulated in 8 CCR, Ch. 4, Subch. 7, Groups 14, 15, and 16: An appropriate combination of engineering controls, work practices, and personal protective equipment shall be used to reduce and maintain employee exposure to or below the published exposure levels for hazardous substances and health hazards not regulated by 8 CCR, Ch. 4, Subch. 7, Groups 14, 15, and 16. The employer may use the published literature and ~~Material~~ Safety Data Sheets (~~MSDS~~'s) as a guide in making the employer's determination as to what level of protection the employer believes is appropriate for hazardous substances and health hazards for which there is no PEL or published exposure level.

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Appendix A

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B. Totally-encapsulated chemical protective suit qualitative leak test.

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5.1 Concentrated aqueous ammonium hydroxide, NH<sub>4</sub>OH, is a corrosive volatile liquid requiring eye, skin, and respiratory protection. The person conducting the test shall review the ~~MSDS~~ for aqueous ammonia.

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NOTE: Authority cited: Sections 142.3 and 142.7, Labor Code. Reference: Sections 142.3 and 142.7, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5194 as follows:

§ 5194. Hazard Communication.

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(c) Definitions.

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Hazardous chemical.

Any chemical which is classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, ~~combustible liquid, water reactive,~~ pyrophoric gas, ~~or a~~ hazard not otherwise classified,

Hazardous substance.

Any substance which is a physical hazard or a health hazard or is included in the List of Hazardous Substances prepared by the Director pursuant to Labor Code section 6382.

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Physical hazard.

A substance for which there is scientifically valid evidence that it is a combustible liquid, a compressed gas, explosive, flammable, an organic peroxide, an oxidizer, pyrophoric, unstable (reactive) or water reactive. A chemical that is classified as posing one of the following hazardous effects: explosive; flammable (gases, aerosols, liquids, or solids); oxidizer (liquid, solid or gas); self-reactive; pyrophoric (liquid or solid); self-heating; organic peroxide; corrosive to metal; gas under pressure; **combustible liquid; water-reactive;** or in contact with water emits flammable gas. See Appendix B to section 5194 -- Physical Hazard Criteria.

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NOTE: Authority cited: Sections 50.7, 142.3 and 6398, Labor Code. Reference: Sections 50.7, 142.3 and 6361-6399.7, Labor Code; Sections 25249.6, 25249.7, 25249.8, 25249.10, 25249.11, 25249.12 and 25249.13, Health and Safety Code; *California Lab. Federation v. Occupational Safety and Health Stds. Bd.* (1990) 221 Cal.App.3d 1547 [271 Cal. Rptr. 310]; and *United Steelworkers of America v. Auchter* (3d Cir. 1985) 763 F.2d 728.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5201 as follows:

§ 5201. 1,3-Butadiene.

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(l) Communication of BD hazards to employees.

(1) Hazard communication - general. ~~The employer shall communicate the hazards associated with BD exposure in accordance with the requirements of section 5194, Hazard Communication.~~

(A) Chemical manufacturers, importers, distributors and employers shall comply with all requirements of the Hazard Communication Standard (HCS) (Section 5194) for BD.

(B) In classifying the hazards of BD at least the following hazards are to be addressed: Cancer; eye and respiratory tract irritation; ~~center~~ **central** nervous system effects; and flammability.

(C) Employers shall include BD in the hazard communication program established to comply with the HCS (Section 5194). Employers shall ensure that each employee has access to labels on containers of BD and to safety data sheets, and is trained in accordance with the requirements of HCS and subsection (l)(2) of this section.

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Note: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5202 Appendix A as follows:

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**§ 5202. Methylene Chloride, Appendix A**

Substance Safety Data Sheet and Technical guidelines for Methylene chloride.

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**X. Access To Information**

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E. Your employer is required to provide labels and ~~material~~ safety data sheets (~~MSDS~~) for all materials, mixtures or solutions composed of greater than 0.1 percent MC. **These materials, mixtures or solutions would be classified and labeled in accordance with Section 5194. An example of a label that would satisfy these requirements would be:**

~~**Danger Contains Methylene Chloride Potential Cancer Hazard**~~

~~**May worsen heart disease because methylene chloride is converted to carbon monoxide in the body.**~~

~~**May cause dizziness, headache, irritation of the throat and lungs, loss of consciousness and death at high concentrations (for example, if used in a poorly ventilated room).**~~

~~**Avoid Skin Contact. Contact with liquid causes skin and eye irritation.**~~

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NOTE: Authority cited: Sections 142.3, 9020, 9030 and 9040, Labor Code. Reference: Sections 142.3, 9004(d), 9009, 9020, 9031 and 9040, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5208, Appendix J as follows:

**§5208. Asbestos, Appendix J**

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**3.1. Safety**

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(e) Some of the solvents used, such as THF (tetrahydrofuran), are toxic and should only be handled in an appropriate fume hood and according to instructions given in the ~~Material~~ Safety Data Sheet (~~MSDS~~).

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NOTE: Authority cited: Section 1 42.3. Labor Code. Reference: Section 142.3, Labor Code.

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 5212 Appendix B as follows:

**§5212. 1,2 Dibromo-3-Chloropropane (DBCP), Appendix B**

Substance Technical Guidelines for DBCP

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II. Fire Explosion and Reactivity Hazard Data

A. Fire

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7. For purposes of complying with the requirements of Group 20 of the General Industry Safety Orders, liquid DBCP is classified as ~~Class III A combustible~~ a Category 4 flammable liquid.

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PROPOSED STATE STANDARD,  
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Amend Section 5217 Appendix A as follows:

**§5217. Formaldehyde, Appendix A**

Substance Technical Guidelines for Formalin

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Flammability Class (OSHA): ~~III-A~~ **Category 4 flammable liquid**

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 8358 Appendix K as follows:

**§8358. Asbestos, Appendix K**

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3.1. Safety

\*\*\*\*\*

(e) Some of the solvents used, such as THF (tetrahydrofuran), are toxic and should only be handled in an appropriate fume hood and according to instructions given in the ~~Material~~ Safety Data Sheet (~~MSDS~~).

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.