

**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT**

**SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986
PROPOSITION 65**

**NOTICE OF PROPOSED RULEMAKING
TITLE 27, CALIFORNIA CODE OF REGULATIONS**

**AMENDMENT TO SECTION 25805
SPECIFIC REGULATORY LEVELS:
CHEMICALS CAUSING REPRODUCTIVE TOXICITY**

**MAXIMUM ALLOWABLE DOSE LEVELS FOR
n-HEXANE, ORAL AND INHALATION ROUTES**

October 5, 2018

NOTICE IS HEREBY GIVEN that the Office of Environmental Health Hazard Assessment (OEHHA) proposes to establish two Proposition 65¹ Maximum Allowable Dose Levels (MADLs) for exposure to *n*-hexane by amending Section 25805(b) of Title 27 of the California Code of Regulations. The proposed oral MADL for *n*-hexane is 28,000 micrograms per day and the proposed inhalation MADL for *n*-hexane is 20,000 micrograms per day.

PUBLIC PROCEEDINGS

Any written comments concerning this proposed action, regardless of the form or method of transmission, must be received by OEHHA by 5:00 p.m. on **November 19, 2018**, the designated close of the written comment period. All comments received will be posted on the OEHHA website at the close of the public comment period.

We encourage you to submit comments in electronic form, rather than in paper form. Comments may be submitted electronically through our website at <https://oehha.ca.gov/comments>. Hard-copy comments may be mailed, faxed, or delivered in person to the appropriate address below.

Mailing Address: Ms. Monet Vela

Office of Environmental Health Hazard Assessment
P.O. Box 4010, MS-2311F
Sacramento, California 95812-4010
Fax: (916) 323-2517

¹ The Safe Drinking Water and Toxic Enforcement Act of 1986, codified at Health and Safety Code section 25249.5 et seq., referred to herein as "Proposition 65" or "The Act."

Street Address: 1001 I Street
Sacramento, California 95814

Please be aware that OEHHA is subject to the California Public Records Act and other laws that require the release of certain information upon request. Comments on all regulatory and other actions are routinely posted on our website. By sending us your comments you are waiving any right to privacy you may have in the information you provide. Individual commenters should advise OEHHA when submitting documents to request redaction of home address or personal telephone numbers. Names of commenters will not be redacted.

A public hearing on this proposed regulatory amendment will be scheduled on request. To request a hearing, send an e-mail to Monet Vela at monet.vela@oehha.ca.gov or to the address listed above by no later than **November 5, 2018**, which is 15 days before the close of the comment period. OEHHA will send a notice of the hearing to the requester and interested parties on its Proposition 65 email list for regulatory public hearings. The notice will also be posted on the OEHHA web site at least ten days before the public hearing date. The notice will provide the date, time, and location of the hearing.

CONTACT

Please direct inquiries concerning the proposed regulatory action described in this notice to Monet Vela, in writing at the address given above, via e-mail to monet.vela@oehha.ca.gov or (916) 323-2517. Mario Fernandez is the back-up contact. He can be reached at (916) 323-2635 or mario.fernandez@oehha.ca.gov.

INFORMATIVE DIGEST/POLICY STATEMENT OVERVIEW

Proposition 65 prohibits a person in the course of doing business from knowingly and intentionally exposing any individual to a chemical that has been listed as known to the state to cause cancer or reproductive toxicity, without first giving clear and reasonable warning to such individual². The Act also prohibits a business from knowingly discharging a listed chemical into water or onto or into land where such chemical passes or probably will pass into any source of drinking water³. Warnings are not required and the discharge prohibition does not apply when exposures are insignificant.⁴ The MADLs provide guidance for determining when this is the case.⁵

² Health and Safety Code section 25249.6.

³ Health and Safety Code section 25249.5.

⁴ Health and Safety Code sections 25249.9 and 25249.10

⁵ See Sections 25801 to 25805

Details on the basis for the proposed MADLs for *n*-hexane are provided in the Initial Statement of Reasons for this regulatory amendment, which is available on request from Monet Vela and is posted on the OEHHA web site at www.oehha.ca.gov.

This proposed regulation sets forth two MADLs for adoption into Section 25805 that were derived using scientific methods outlined in Section 25803.

The proposed regulation would adopt the following MADLs for exposure to *n*-hexane, by amending Section 25805 as follows (addition in underline):

| (b) Chemical Name | Level (Micrograms/day) |
|-------------------------------------|------------------------|
| <u><i>n</i>-Hexane (oral)</u> | <u>28,000</u> |
| <u><i>n</i>-Hexane (inhalation)</u> | <u>20,000</u> |

Relevant studies that provide information on the male reproductive toxicity of *n*-hexane were identified in the materials that formed the basis for listing *n*-hexane as causing reproductive toxicity based on the male reproductive endpoint. A comprehensive literature search did not find additional relevant studies since the Proposition 65 listing of *n*-hexane. All of the relevant studies were reviewed as the possible basis for establishing a MADL for *n*-hexane. The most sensitive studies deemed to be of sufficient quality were selected to provide a basis for the MADLs⁶.

Anticipated Benefits of the Proposed Regulation

By providing these MADLs, this regulatory proposal may encourage businesses to lower the amount of the listed chemical in their products to a level that does not require a warning. This in turn may reduce exposures to *n*-hexane and reduce resident, worker, and environmental exposures to *n*-hexane. In addition, some businesses may not be able to afford the expenses of establishing MADLs and therefore may face litigation for a failure to warn or for a prohibited discharge of the listed chemical. Adopting this regulation will save these businesses those expenses and may reduce litigation costs.

No Inconsistency or Incompatibility with Existing State Regulations

OEHHA has conducted an evaluation for whether there are any other regulations on this matter and has found that these are the only regulations dealing with Proposition 65 Maximum Allowable Dose Levels for *n*-hexane. Therefore, OEHHA has determined that the proposed regulation is neither inconsistent nor incompatible with existing state regulations because it provides compliance assistance to businesses subject to the Act, but does not impose any mandatory requirements on those businesses, state or local agencies and does not address compliance with any other law or regulation.

⁶ Section 25803(a)(5)

RESULTS OF ECONOMIC IMPACT ANALYSIS (Gov. Code section 11346.3(b))

Impact on the Creation, Elimination, or Expansion of Jobs/Businesses in California

This regulatory proposal will not affect the creation or elimination of jobs within the State of California. Proposition 65 requires businesses with ten or more employees to provide warnings when they expose people to chemicals that are known to cause cancer or reproductive harm. The law also prohibits the discharge of listed chemicals into sources of drinking water.

Because the proposed MADLs provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, OEHHA has determined that the proposed regulatory actions will not have any impact on the creation or elimination of jobs, the creation of new businesses, the elimination of existing businesses, or the expansion of businesses currently doing business within the State of California.

By providing these MADLs, this regulatory proposal may encourage businesses to lower the amount of the listed chemical in their products to a level that does not require a warning. This in turn may reduce exposures to *n*-hexane and reduce resident, worker, and environmental exposures to *n*-hexane. In addition, some businesses may not be able to afford the expenses of establishing MADLs and therefore may face litigation for a failure to warn or for a prohibited discharge of the listed chemical. Adopting this regulation will save these businesses those expenses and may reduce litigation costs.

PEER REVIEW

This notice and the Initial Statement of Reasons will be provided to the Developmental and Reproductive Toxicant Identification Committee members for scientific peer review and comment.

AUTHORITY

Health and Safety Code Section 25249.12.

REFERENCE

Health and Safety Code Sections 25249.5, 25249.6, 25249.9, 25249.10 and 25249.11.

IMPACT ON LOCAL AGENCIES OR SCHOOL DISTRICTS

Because Proposition 65 expressly⁷ does not apply to local agencies or school districts, OEHHA has determined the proposed regulatory action would not impose a mandate on

⁷ See Health and Safety Code section 25249.11(b)

local agencies or school districts nor does it require reimbursement by the State pursuant to Part 7 (commencing with Section 17500) of Division 4 of the Government Code. OEHHA has also determined that no nondiscretionary costs or savings to local agencies or school districts will result from the proposed regulatory action.

COSTS OR SAVINGS TO STATE AGENCIES

Because Proposition 65 expressly⁸ does not apply to any State agency, OEHHA has determined that no savings or increased costs to any State agency will result from the proposed regulatory action.

EFFECT ON FEDERAL FUNDING TO THE STATE

Because Proposition 65 expressly⁹ does not apply to any federal agency, OEHHA has determined that no costs or savings in federal funding to the State will result from the proposed regulatory action.

EFFECT ON HOUSING COSTS

OEHHA has determined that the proposed regulatory action will have no effect on housing costs because it provides compliance assistance to businesses subject to the Act, but does not impose any mandatory requirements on those businesses.

SIGNIFICANT STATEWIDE ADVERSE ECONOMIC IMPACT DIRECTLY AFFECTING BUSINESS, INCLUDING ABILITY TO COMPETE

Because the proposed regulatory levels provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, OEHHA has made an initial determination that the adoption of this regulation regulations will not have a significant statewide adverse economic impact directly affecting businesses, including the ability of California businesses to compete with businesses in other states.

COST IMPACTS ON REPRESENTATIVE PRIVATE PERSONS OR BUSINESSES

The proposed MADLs were developed to provide compliance assistance to businesses in determining whether a warning is required or a discharge is prohibited. The MADLs are levels of exposure at or below which a warning is not required and a discharge is not prohibited. Use of the MADLs is not mandatory. The implementing regulations allow a business to calculate its own level and provide guidance in order to assist businesses in doing so.¹⁰ However, conducting such a process can be expensive and time consuming, and the resulting levels may not be defensible in an enforcement

⁸ See Health and Safety Code section 25249.11(b)

⁹ See Health and Safety Code section 25249.11(b)

¹⁰ Title 27, Cal. Code of Regs., section 25801 et seq.

action. OEHHA is not aware of any cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action.

EFFECT ON SMALL BUSINESSES

OEHHA has determined that the proposed MADLs will not impose any mandatory requirements on small business. Rather, the proposed MADLs will provide compliance assistance for small businesses subject to the Act because it will help them determine whether or not an exposure for which they are responsible is subject to the warning requirement or discharge prohibition of the Act.

CONSIDERATION OF ALTERNATIVES

Government Code section 11346.5(a)(13) requires that OEHHA must determine that no reasonable alternative considered by OEHHA or that has otherwise been identified and brought to the attention of OEHHA would be more effective in carrying out the purpose for which the action is proposed, would be as effective and less burdensome to affected private persons than the proposed action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provision of law than the proposal described in this Notice.

AVAILABILITY OF STATEMENT OF REASONS AND TEXT OF PROPOSED REGULATIONS

OEHHA has prepared and has available for public review an Initial Statement of Reasons for the regulation, which contains the text of the regulation and the information upon which the regulation is based. A copy of the Initial Statement of Reasons, the text of the regulation and documents used by OEHHA to develop the proposed regulation are available upon request from OEHHA at the address, e-mail address and telephone number indicated above. These documents are also posted on OEHHA's Web site at www.oehha.ca.gov.

AVAILABILITY OF CHANGED OR MODIFIED TEXT

The full text of any regulation which is changed or modified from the express terms of this proposed action will be made available at least 15 days prior to the date on which OEHHA adopts the resulting regulation. Notice of the comment period on changed regulations and the full text will be mailed to individuals who testified or submitted written comments at the public hearing, if held, or whose comments were received by OEHHA during the public comment period, and anyone who requests notification from OEHHA of the availability of such changes. Copies of the notice and the changed regulation will also be available on the OEHHA Web site at www.oehha.ca.gov.

FINAL STATEMENT OF REASONS

A copy of the Final Statement of Reasons for this regulatory action may be obtained, when it becomes available, from OEHHA at the address, e-mail address and telephone number indicated above, and on the OEHHA website at www.oehha.ca.gov.

OFFICE OF ENVIRONMENTAL
HEALTH HAZARD ASSESSMENT

Allan Hirsch
Chief Deputy Director

Dated: October 5, 2018