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Proposition 65

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Chemicals Di(2-ethylhexyl)phthalate

Di(2-ethylhexyl)phthalate

CAS Number

117-81-7

Synonym

AI3-04273; BEHP; Bis(2-ehtylhexyl) phthalate; Di(2-ethylhexyl)phthalate; Diethylhexyl phthalate; DEHP; Ethylhexyl phthalate; NCI-C52733; Octyl phthalate; Vinicizer 80; EPA Pesticide Chemical Code: 295200

Occurrence/Use

Plasticizer for many resins and elastomers; component of tobacco smoke

Cancer Potency Information

Inhalation Unit Risk (µg/cubic meter)-1: 2.4 E-6

Inhalation Slope Factor (mg/kg-day)-1: 8.4 E-3

> Oral Slope Factor (mg/kg-day)-1: 3.0 E-3

> > Comments/References: OEHHA 2009. Air Toxics Hot Spots Program Technical Support Document for Cancer

> > > Potencies. Appendix B. Chemical-specific summaries of the information used to derive unit risk and cancer potency values. Updated 2011.

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OEHHA 1997. Public Health Goal for Di(2-ethylhexyl)phthalate (DEHP) in Drinking Water.

Air

Hot Spots Unit Risk and Cancer Potency values:

Use inhalation Unit Risk of 2.4E-6 and Inhalation/Oral cancer potency of 8.4E-3 based on the PHG values

Proposition 65

Chemical Status

| Cancer: | Currently listed |
|------------------------|---|
| Reproductive Toxicity: | Currently listed |
| Cancer | |
| Listed as causing: | Cancer |
| Date of Listing: | 01/01/1988 |
| Basis for Listing: | State's Qualified Experts |
| Reproductive Toxicity | |
| Listed as causing: | Developmental Toxicity Male Reproductive Toxicity |
| Developmental Toxicity | |
| Date of Listing: | 10/24/2003 |

Male Reproductive Toxicity

Date of Listing: 10/24/2003

Basis for Listing:

Authoritative Bodies-National Institute for Occupational Safety and Health/US Food and **Basis for Listing:**

Authoritative Bodies-National Institute for Occupational Safety and Health/US Food and

Drug Administration

Drug Administration

Safe Harbor Levels

| Cancer | |
|---|---|
| No Significant Risk Level (NSRL): | 310 (adult) μg/day |
| Reproductive Toxicity | |
| Maximum Allowable Dose Level (MADL) | 4200 μg/day (intravenous- adult); 600 μg/day (intravenous- infant boys, age 29 days to 24 months); 210 μg/day (intravenous- neonatal infant boys, age 0 to 28 days) |
| Maximum Allowable Dose Level (MADL) - Orals | 410 μg/day (adult); 58 μg/day (infant boys, age 29 days to 24 months); 20 μg/day (neonatal infant boys, age 0 to 28 days) |
| Last NSRL/MADL Revisions | 2006 |

Documents, Presentations, and Publications

No Significant Risk Level for Di(2-Ethylhexyl) Phthalate Cancer:

Jun 1, 2002

Reproductive Toxicity:

Maximum Allowable Dose Level for Di(2-Ethylhexyl) Phthalate by Intravenous Injection Feb 1, 2006

Maximum Allowable Dose Level for Di(2-Ethylhexyl) Phthalate by Oral Exposure Jun 24, 2005

Notice of Intent to List - di(2-ethylhexyl)phthalate

Package 6d - Chemical Meeting the Criteria for Listing di(2-ethylhexyl)phthalate

Apr 11, 2003

☑ Listing Notice - Di(2-ethylhexyl)phthalate

Oct 24, 2003

Public notices related to this chemical:

- Notice of Intent to List Chemical: di(2-ethylhexyl)phthalate
- Chemical Listed Effective October 24, 2003 as Known to the State to Cause Reproductive Toxicity: Di(2-ethylhexyl)phthalate (DEHP)
- Notice of Proposed Rulemaking, Amendment to Title 22, Section 12805, Specific Regulatory Levels for di(2-ethylhexyl)phthalate (DEHP) Notice of Proposed Rulemaking, MADL for Reproductive Toxicity for Di(2-ethylhexyl)phthalate (DEHP) by Oral Exposure • Notice of Addition of Documents and Information to Rulemaking File, OAL FILE No. Z-05-0614-06 Amendment to Section 12805, MADL for DEHP by Oral Exposure
- Notice of Modifications to Text of Proposed Regulations Section 12805 (MADL for Reproductive Toxicity for Di(2-ethylhexyl)phthalate by Intravenous Injection)
- Correction to the Notice of Modifications to Text of Proposed Regulations Section 12805 (MADL for Reproductive Toxicity for Di(2-ethylhexyl)phthalate by Intravenous Injection) • Notice of Addition of Documents and Information to Rulemaking File, OAL FILE Z-01-1019-06, Amendment to 12805, MADL for DEHP by Intravenous Injection
- Notice of Addition of Documents and Information to Rulemaking File, OAL FILE 05-1027-05 S, Amendment to Section 12805, Maximum Allowable Dose Level (MADL) for Reproductive Toxicity for Di(2-ethylhexyl)phthalate (DEHP) by Intravenous Injection
- Notice of Adoption to Text of Regulations Title 22, California Code of Regulations Amendment to Section 12805 Maximum Allowable Dose Levels (MADLs) for Di(2-ethylhexyl)phthalate (by Intravenous Injection)

Water

California Public Health Goals Data

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| Health Risk Category: | Carcinogenicity |
| Public Health Goal (mg/L): | 0.012 |
| Public Health Goal - Download: | dehpc.pdf |
| Cancer Risk at PHG: | 0.000001 |
| MCL value (mg/L): | 0.004 |
| Cancer Risk at MCL: | 0.0000003 |
| Last PHG Revision: | 1997 |
| California PHG Comments: | OEHHA 2013. Health Risk Information for Public Health Goal Exceedance Reports |