

Memorandum

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Subject: Intakes Posing 10^{-5}
Cancer Risk for 11
Proposition 65
Carcinogens

From : Public Health
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445-2927

The Environmental Protection Agency (EPA) has published cancer potency evaluations for several chemicals listed as carcinogens under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65; California Health and Safety Code, Section 25249.5 et sq.). Staff of the Cancer Unit of the Reproductive and Cancer Hazard Assessment Section (RCHAS) have calculated intake levels associated with 10^{-5} cancer risk based on the EPA assessments. These intake levels are given below.

Chemical	Cancer Potency (mg/kg-d) ⁻¹	Risk Specific Intake Level* (µg/d)	Reference
✓Acrylamide	4.5	0.2	1
Aniline	0.0057	100	2
Azobenzene	0.11	6	3
Dichlorvos	0.29	2	4
Folpet	0.0035	200	5
Furmecycloz	0.030	20	6
Hydrazine	3.0	0.2	7
4,4'-Methylene bis (N,N'-dimethyl)aniline	0.046	20	8
N-Nitrosodiethanolamine	2.8	0.3	9
N-Nitroso-N-methyl- ethylamine	22	0.03	10
N-Nitrosopyrrolidine	2.1	0.3	11

*Intake levels associated with a 10^{-5} risk of cancer.

References

1. Environmental Protection Agency (1989). Integrated Risk Information System: Acrylamide. CASRN 79-06-1. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, June 1.
2. Environmental Protection Agency (1989). Integrated Risk Information System: Aniline. CASRN 62-53-3. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, August 1.
3. Environmental Protection Agency (1989). Integrated Risk Information System: Azobenzene. CASRN 103-33-3. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, September 1.
4. Environmental Protection Agency (1989). Integrated Risk Information System: Dichlorvos. CASRN 62-73-7. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, December 1.
5. Environmental Protection Agency (1988). Integrated Risk Information System: Folpet. CASRN 133-07-3. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, August 22.
6. Environmental Protection Agency (1989). Integrated Risk Information System: Furmecyclox. CASRN 60568-05-0. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, December 1.
7. Environmental Protection Agency (1989). Integrated Risk Information System: Hydrazine. CASRN 302-01-2. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, December 1.
8. Environmental Protection Agency (1989). Integrated Risk Information System: 4,4'-Methylene bis(N,N'-dimethyl)aniline. CASRN 101-61-1. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, August 1.
9. Environmental Protection Agency (1988). Integrated Risk Information System: N-Nitrosodiethanolamine. CASRN 1116-54-7. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, March 1.
10. Environmental Protection Agency (1989). Integrated Risk Information System: N-Nitroso-N-methylethylamine. CASRN 10595-95-6. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, December 1.
- II. Environmental Protection Agency (1988). Integrated Risk Information System: N-Nitrosopyrrolidine. CASRN 930-55-2. EPA Environmental Criteria and Assessment Office, Cincinnati, OH, March 1.