

## D&C Yellow Number 11

D&C Yellow No. 11 is widely used to color topical drug preparations and cosmetic products. It is also used to color lacquers, plastics, and hydrocarbon solvents. It is a contaminant of D&C Yellow No. 10, a high-production dye. Consumers would be exposed when they use these products.

D&C Yellow No. 11 passed the animal data screen, underwent a preliminary toxicological evaluation, and is being brought to the Carcinogen Identification Committee for consultation. This is a compilation of the relevant studies identified during the preliminary toxicological evaluation.

### Epidemiological data

No cancer epidemiology studies were identified.

### Animal carcinogenicity data

- Long-term feeding studies in rats
  - Two-year studies in male and female F344/N rats: NTP (1997)

### Other relevant data

- Genotoxicity
  - *Salmonella* assay for gene mutations: NTP (1997)
  - Chinese hamster ovary assay for chromosomal aberrations: *ibid*
  - Chinese hamster ovary assay for sister chromatid exchanges: *ibid*
  - *In vivo* mouse micronucleus assay in peripheral blood erythrocytes: *ibid*
  - Reviews of *in vitro* and *in vivo* assays: NTP (1997, p. 16).

### Reference

National Toxicology Program (NTP, 1997). Toxicology and carcinogenesis studies of D&C Yellow No. 11 (CAS No. 8003-22-3) in F344/N rats (feed studies). Technical report series no. 463. U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health.