

Quinone; CASRN 106-51-4

Human health assessment information on a chemical substance is included in the IRIS database only after a comprehensive review of toxicity data, as outlined in the [IRIS assessment development process](#). Sections I (Health Hazard Assessments for Noncarcinogenic Effects) and II (Carcinogenicity Assessment for Lifetime Exposure) present the conclusions that were reached during the assessment development process. Supporting information and explanations of the methods used to derive the values given in IRIS are provided in the [guidance documents located on the IRIS website](#).

STATUS OF DATA FOR Quinone

File First On-Line 10/01/1990

Category (section)	Assessment Available?	Last Revised
Oral RfD (I.A.)	not evaluated	
Inhalation RfC (I.B.)	message	10/01/1990
Carcinogenicity Assessment (II.)	not evaluated	

I. Chronic Health Hazard Assessments for Noncarcinogenic Effects

I.A. Reference Dose for Chronic Oral Exposure (RfD)

Substance Name — Quinone

CASRN — 106-51-4

Not available at this time.

I.B. Reference Concentration for Chronic Inhalation Exposure (RfC)

Substance Name — Quinone
CASRN — 106-51-4

The health effects data for quinone were reviewed by the U.S. EPA RfD/RfC Work Group and determined to be inadequate for derivation of an inhalation RfC.

Agency Work Group Review — 08/22/1990

Screening-Level Literature Review Findings — A screening-level review conducted by an EPA contractor of the more recent toxicology literature pertinent to the RfC for Quinone conducted in September 2002 did not identify any critical new studies. IRIS users who know of important new studies may provide that information to the IRIS Hotline at hotline.iris@epa.gov or (202)566-1676.

EPA Contacts:

Please contact the IRIS Hotline for all questions concerning this assessment or IRIS, in general, at (202)566-1676 (phone), (202)566-1749 (FAX) or hotline.iris@epa.gov (internet address).

II. Carcinogenicity Assessment for Lifetime Exposure

Substance Name — Quinone
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This substance/agent has not undergone a complete evaluation and determination under US EPA's IRIS program for evidence of human carcinogenic potential.

III. [reserved]

IV. [reserved]

V. [reserved]

VI. Bibliography

Substance Name — Quinone
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VI.A. Oral RfD References

None

VI.B. Inhalation RfC References

None

VI.C. Carcinogenicity Assessment References

None

VII. Revision History

Substance Name — Quinone
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Date	Section	Description
10/01/1990	I.B.	Inhalation RfC message on-line
12/03/2002	I.B.	Screening-Level Literature Review Findings message has been added.

VIII. Synonyms

Substance Name — Quinone

CASRN — 106-51-4

Last Revised — 10/01/1990

- 106-51-4
- BENZO-CHINON [GERMAN]
- 1,4-BENZOQUINE
- BENZOQUINONA [SPANISH]
- BENZOQUINONE
- 1,4-BENZOQUINONE
- P-BENZOQUINONE
- PARA-BENZOQUINONE
- CASWELL NO. 719C
- CHINON [DUTCH, GERMAN]
- CHINONE
- P-CHINON [GERMAN]
- CYCLOHEXADIENEDIONE
- 1,4-CYCLOHEXADIENEDIONE
- 2,5-CYCLOHEXADIENE-1,4-DIONE
- 1,4-CYCLOHEXADIENE DIOXIDE
- 1,4-DIOSSIBENZENE [ITALIAN]
- 1,4-DIOXYBENZENE
- 1,4-DIOXY-BENZOL [GERMAN]
- EPA PESTICIDE CHEMICAL CODE 059805
- HSDB 1111
- NCI-C55845
- NSC 36324
- QUINONE
- P-QUINONE
- RCRA WASTE NUMBER U197
- STEARA PBQ
- USAF P-220