

Tricresol; CASRN 1319-77-3

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 Tricresol

File First On-Line 04/01/1992

Category (section)	Assessment Available?	Last Revised
Oral RfD (I.A.)	not evaluated	
Inhalation RfC (I.B.)	message	04/01/1992
Carcinogenicity Assessment (II.)	not evaluated	

I. Chronic Health Hazard Assessments for Noncarcinogenic Effects

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

Substance Name — Tricresol
CASRN — 1319-77-3
Primary Synonym — Cresylic acid

Not available at this time.

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

Substance Name — Tricresol

CASRN — 1319-77-3

Primary Synonym — Cresylic acid

The health effects data for tricresol were reviewed by the U.S. EPA RfD/RfC Work Group and determined to be inadequate for the derivation of an inhalation RfC. For additional information on the health effects of this chemical, interested parties are referred to the documentation listed below.

U.S. EPA. 1984. Health Effects Assessment for Cresols. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH, for the Office of Emergency and Remedial Response, Washington, DC.

U.S. EPA. 1985. Health and Environmental Effects Profile for Cresols. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH for the Office of Solid Waste and Emergency Response, Washington, DC. (Final Draft)

U.S. EPA. 1990. Health and Environmental Effects Document for 4- Methylphenol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH for the Office of Solid Waste and Emergency Response, Washington, DC.

U.S. EPA. 1991a. Reportable Quantity Document for m-Cresol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH for the Office of Solid Waste and Emergency Response, Washington, DC. (Draft)

U.S. EPA. 1991b. Reportable Quantity Document for o-Cresol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, Ohio for the Office of Solid Waste and Emergency Response. (Draft)

U.S. EPA. 1991c. Reportable Quantity Document for p-Cresol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, Ohio for the Office of Solid Waste and Emergency Response. (Draft)

Agency Work Group Review — 12/11/1991

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).

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 tricresol conducted in August 2003 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.

II. Carcinogenicity Assessment for Lifetime Exposure

Substance Name — Tricresol
CASRN — 1319-77-3
Primary Synonym — Cresylic acid

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 — Tricresol
CASRN — 1319-77-3
Primary Synonym — Cresylic acid

VI.A. Oral RfD References

None

VI.B. Inhalation RfC References

U.S. EPA. 1984. Health Effects Assessment for Cresols. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH, for the Office of Emergency and Remedial Response, Washington, DC.

U.S. EPA. 1985. Health and Environmental Effects Profile for Cresols. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH for the Office of Solid Waste and Emergency Response, Washington, DC. (Final Draft)

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U.S. EPA. 1991a. Reportable Quantity Document for m-Cresol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH for the Office of Solid Waste and Emergency Response, Washington, DC. (Draft)

U.S. EPA. 1991b. Reportable Quantity Document for o-Cresol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, Ohio for the Office of Solid Waste and Emergency Response. (Draft)

U.S. EPA. 1991c. Reportable Quantity Document for p-Cresol. Prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, Ohio for the Office of Solid Waste and Emergency Response. (Draft)

VI.C. Carcinogenicity Assessment References

None

VII. Revision History

Substance Name — Tricresol
CASRN — 1319-77-3
Primary Synonym — Cresylic acid

Date	Section	Description
04/01/1992	I.B.	Inhalation RfC message on-line
10/28/2003	I.B	Screening-Level Literature Review Findings message has been added.

VIII. Synonyms

Substance Name — Tricresol
CASRN — 1319-77-3
Primary Synonym — Cresylic acid
Last Revised — 04/01/1992

- 1319-77-3
- Phenol, methyl-
- Cresol
- ACEDE CRESYLIQUE [French]
- ACIDE CRESYLIQUE [FRENCH]
- Acido cresilico [Spanish]
- I3-02360
- ar-TOLUENOL
- Bacillol
- Cresoli [Italian]
- Cresylic acid
- HSDB 250
- Hydroxytoluole [German]
- Kresole [German]
- Kresolen [Dutch]
- Krezol [Polish]
- Methylphenol
- Tekresol
- Tricresol