

## Propylene glycol monoethyl ether; CASRN 52125-53-8

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 Propylene glycol monoethyl ether

**File First On-Line 06/01/1991**

Category (section)	Assessment Available?	Last Revised
Oral RfD (I.A.)	not evaluated	
Inhalation RfC (I.B.)	message	06/01/1991*
Carcinogenicity Assessment (II.)	not evaluated	

\*A comprehensive review of toxicological studies was completed 01/07/05 - please see section I.B for more information.

### I. Chronic Health Hazard Assessments for Noncarcinogenic Effects

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

Substance Name — Propylene glycol monoethyl ether  
CASRN — 52125-53-8

Not available at this time.

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

Substance Name — Propylene glycol monoethyl ether  
CASRN — 52125-53-8

The health effects data for propylene glycol monoethyl ether 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 EPA documentation listed below.

U.S. EPA. 1984. Health Effects Assessment for Glycol Ethers. 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. NTIS PB-86-134632/AS.

Agency Work Group Review — 04/25/1991

A comprehensive review of toxicological studies published through 2004 indicated that there is insufficient health effects data to derive an RfC for Propylene glycol monoethyl ether at this time. For more information, IRIS users may contact the IRIS Hotline at [hotline.iris@epa.gov](mailto: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](mailto:hotline.iris@epa.gov) (internet address).

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## **II. Carcinogenicity Assessment for Lifetime Exposure**

Substance Name — Propylene glycol monoethyl ether  
CASRN — 52125-53-8

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]**

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## **VI. Bibliography**

Substance Name — Propylene glycol monoethyl ether

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### **VI.A. Oral RfD References**

None

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### **VI.B. Inhalation RfC References**

U.S. EPA. 1984. Health Effects Assessment for Glycol Ethers. 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. NTIS PB-86-134632/AS.

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### **VI.C. Carcinogenicity Assessment References**

None

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## **VII. Revision History**

Substance Name — Propylene glycol monoethyl ether

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<b>Date</b>	<b>Section</b>	<b>Description</b>
<b>06/01/1991</b>	I.B.	Inhalation RfC message on-line

<b>Date</b>	<b>Section</b>	<b>Description</b>
<b>12/03/2002</b>	I.B.	Screening-Level Literature Review Findings message has been added.
<b>03/03/2005</b>	I.B.	Screening-Level Literature Review Findings message has been removed and replaced by comprehensive literature review conclusions.

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## **VIII. Synonyms**

Substance Name — Propylene glycol monoethyl ether

CASRN — 52125-53-8

Last Revised — 06/01/1991

- 52125-53-8
- PROPANOL, ETHOXY-
- 1,2-PROPANEDIOL, MONOETHYL ETHER
- ETHOXY-PROPANOL
- ETHYL ETHER OF PROPYLENE GLYCOL
- PROPYLENE GLYCOL MONOETHYL ETHER