

## Selenourea; CASRN 630-10-4

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 Selenourea

**File First On-Line 01/31/1987**

Category (section)	Assessment Available?	Last Revised
<b>Oral RfD (I.A.)</b>	withdrawn	05/01/1991*
<b>Inhalation RfC (I.B.)</b>	not evaluated	
<b>Carcinogenicity Assessment (II.)</b>	not evaluated	

\*A comprehensive review of toxicological studies was completed (2004) - please see section I.A. for more information.

## I. Chronic Health Hazard Assessments for Noncarcinogenic Effects

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

Substance Name — Selenourea  
CASRN — 630-10-4

The Oral RfD for selenourea has been withdrawn on 05/01/1991 pending further review by the RfD/RfC Work Group.

Agency Work Group Review — 08/19/1985, 03/22/1989, 03/27/1991, 07/18/1991, 11/06/1991

A comprehensive review of toxicological studies published prior to 2004 indicated that there is insufficient health effects data to derive an RfD for Selenourea at this time.

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).

---

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

Substance Name — Selenourea

CASRN — 630-10-4

Not available at this time.

---

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

Substance Name — Selenourea

CASRN — 630-10-4

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 — Selenourea

CASRN — 630-10-4

Not available at this time.

## VII. Revision History

Substance Name — Selenourea  
CASRN — 630-10-4

Date	Section	Description
05/01/1991	I.A.	Oral RfD withdrawn pending additional review
12/03/2002	I.A.	Screening-Level Literature Review Findings message has been added.
09/29/2004	I.A.	Screening-Level Literature Review Findings message has been removed and replaced by comprehensive literature review conclusions.

## VIII. Synonyms

Selenourea  
CASRN — 630-10-4  
Last Revised — 01/31/1987

- 630-10-4
- Carbamimidoseleoic acid
- Isoselenourea
- Selenourea
- 2-Selenourea
- Selenouronium