# U.S. Department of Labor
## EEOICP Site Exposure Matrices

**Toxic substance:**

- Carbon monoxide (630-08-0)  

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### IDENTIFICATION
- CAS: 630-08-0  
- Aliases: Carbon oxide; Carbonic oxide; Exhaust gas; Flue gas; 14CO; C-14 labeled Carbon monoxide; Carbon monoxide labeled with C-14; CO  
- Category: Gases

### PROPERTIES
- Physical: Colorless, practically odorless gas or liquid.  
- Chemical: Slightly soluble in water; soluble in alcohol and benzene. Burns with a violet flame.

### SPECIFIC HEALTH EFFECTS
- **Asphyxiation, chemical**  
- **Parkinsonism**  

**Aliases:** Toxic asphyxiation; Secondary parkinsonism; Parkinsonian syndrome

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### REFERENCES
- Title: Hawley's Condensed Chemical Dictionary, 14 ed.  
- Title: Matheson Tri-Gas, Inc., MSDS, Carbon Monoxide, 12/15/03  
- Title: National Institutes of Health Haz-Map Database  
- Title: SAX's Dangerous Properties of Industrial Materials, 11 ed.

### RECORD HISTORY

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### RELATED ITEMS IN SITE EXPOSURE MATRIX
**SCOPE:** Site: Mound

**Secondary filters applied:** none

**BUILDINGS WHERE TOXIC SUBSTANCE WAS PRESENT**
- B  
  - Aliases: Biological Building

**SITE PROCESSES/ACTIVITIES**
- Energetic materials analytical activities
- Fire fighting

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[https://dol-sem.com/Tox2.cfm](https://dol-sem.com/Tox2.cfm)  

03/24/2009
<table>
<thead>
<tr>
<th>POTENTIALLY INVOLVING THIS TOXIC SUBSTANCE</th>
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<tbody>
<tr>
<td>Firefighter training</td>
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<tr>
<td>Forklift/Industrial Truck Operation</td>
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<td>Groundskeeping - Grass mowing and gasoline engine powered equipment use</td>
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<td>Heavy equipment operation</td>
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<td>HVAC maintenance</td>
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<td>Machining</td>
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<td>Mechanical maintenance</td>
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<td>Plumbing/pipefitting</td>
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<td>Safe shutdown</td>
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<td>Sheet metal fabrication</td>
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<tr>
<td>Stable isotope separation</td>
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<td>Steam, cooling, water treatment, and electrical distribution</td>
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<tr>
<td>Vehicle maintenance</td>
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<td>Weapon firing activities</td>
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<table>
<thead>
<tr>
<th>LABOR CATEGORIES POTENTIALLY INVOLVING THIS TOXIC SUBSTANCE</th>
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<tbody>
<tr>
<td>Electrician/HVAC</td>
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<td>Firefighter</td>
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<tr>
<td>Guard</td>
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<td>Heavy duty operator</td>
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<td>Mechanic</td>
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<tr>
<td>Pipefitter Alias: Pipefitter/welder</td>
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<tr>
<td>Sheet metal worker Alias: Sheet metal worker/mechanic</td>
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<tr>
<td>Welder</td>
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| INCIDENTS INVOLVING THIS TOXIC SUBSTANCE | none listed |