>>**Entry Name: Chromium oxide (CrO)**
**Synonym(s):** Chromium monoxide. Chromous oxide. Chromium suboxide

**CAS Registry Number:** 12018-00-7
CrO

**Molecular Formula:** CrO
**Molecular Weight:** 67.996
**Accurate Mass:** 67.935424
**Percentage Composition:** Cr 76.47%; O 23.53%
**Source/Synthesis:** Formed by redn. of $Cr_2O_3$ in a $H_2$ atm.
**Physical Description:** Red plates
**Other Data:** Metastable

**References:**

Lux, H. *et al.*, *Z. Anorg. Allg. Chem.*, 1948, **257**, 73-78, *(synth)*
Lux, H. *et al.*, *Chem. Ber.*, 1958, **91**, 2143-2150; 1964, **97**, 503-509, *(synth)*
Dufek, V. *et al.*, *Monatsh. Chem.*, 1967, **98**, 2424-2430, *(synth)*