

# Safety (MSDS) data for sodium dichromate



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## General

Synonyms: sodium bichromate  
Molecular formula:  $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$   
CAS No: 10588-01-9  
EC No:

## Physical data

Appearance: reddish to bright orange crystals  
Melting point: 357 C  
Boiling point: 400 C  
Vapour density: 10.0  
Vapour pressure:  
Specific gravity: 2.52  
Flash point:  
Explosion limits:  
Autoignition temperature:

## Stability

Stable. Incompatible with strong acids, strong reducing agents, organic materials, combustible materials.

## Toxicology

**NTP human carcinogen and IARC human Group I carcinogen. Inhalation, ingestion or skin absorption are harmful, and may be fatal. Exposure may cause cancer.** Irritant. May cause sensitization.  
TLV 0.05 mg/m<sup>3</sup>.

### Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 1870 mg kg<sup>-1</sup>

### Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R20 R21 R22 R45.

## Personal protection

Safety glasses, gloves. Use only in a fume cupboard. **Handle as a carcinogen.**

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