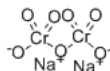


Búsqueda de estructura

SODIUM DICHROMATE

[ChemicalBook](#) >> [Lista de bases de datos CAS](#) >> DICROMATO DE SODIO

## Dicromato de sodio



Estructura de dicromato de sodio

No CAS. [10588-01-9](#)

Nombre químico: Dicromato de sodio

Sinónimos

celcure; caswellno761;  
NADICROMATO;  
bicromato de sodio;  
dicromato de sodio;  
DICROMATO DE  
SODIO; BICROMATO  
DE SODIO; bicromato  
de sodio; dicromato de  
sodio; dicromato de  
sodio

CBNumber: CB0388810

Fórmula molecular: Cr2Na2O7

Peso de la fórmula: 261,97

Archivo MOL: [10588-01-9.mol](#)[Solicitud de presupuesto](#)[Propiedades](#)[La Seguridad](#)[Usos](#)

### Propiedades del DICROMATO DE SODIO

|                                             |                                                                 |
|---------------------------------------------|-----------------------------------------------------------------|
| Punto de fusion:                            | 356,7 ° C                                                       |
| Densidad                                    | 2,52 g / cm3 (temperatura: 13 ° C)                              |
| formar                                      | cristales higroscópicos rojos                                   |
| Referencia de la base de datos CAS          | <a href="#">10588-01-9 (Referencia de la base de datos CAS)</a> |
| Puntajes de alimentos del EWG               | 5                                                               |
| Sistema de registro de sustancias de la EPA | <a href="#">Dicromato de sodio (10588-01-9)</a>                 |

### LA SEGURIDAD

[Declaraciones de riesgo y seguridad](#)

|                   |                                             |
|-------------------|---------------------------------------------|
| Hazard Codes      | T+,N,O                                      |
| Risk Statements   | 45-46-60-61-8-21-25-26-34-42/43-48/23-50/53 |
| Safety Statements | 53-45-60-61                                 |
| RIDADR            | 3086                                        |
| HazardClass       | 6.1(a)                                      |
| PackingGroup      | II                                          |
| Toxicity          | LD50 oral in rat: 50mg/kg                   |

## SODIUM DICHROMATE Chemical Properties,Uses,Production

### Chemical Properties

Red or red-orange deliquescent crystals. Decomposes at 400C, loses 2H<sub>2</sub>O on prolonged heating at 100C. Soluble in water; insoluble in alcohol. Noncombustible.

### Chemical Properties

Sodium chromate, including the hexahydrate, is yellow crystalline solids that can also be used in solution. Disodium dichromate (10588-01-9):

### Uses

Colorimetry (copper determination), complex- ing agent, oxidation inhibitor in ethyl ether.

### Uses

Sodium dichromate is red solid, soluble, powerful oxidizing agent, and consequently a fire hazard with dry carbonaceous materials. Formed by acidifying sodium chromate solution, and then evaporating. Used (1) in matches and pyrotechnics, (2) in leather tanning and in the textile industry, (3) as a source of chromate, cheaper than potassium dichromate.

### General Description

A red or red-orange crystalline solid. May be strongly irritating to skin, eyes and mucous membranes. Used as a corrosion inhibitor, and in the manufacture of other chemicals.

### Air & Water Reactions

Deliquescent. Soluble in water.

### Reactivity Profile

SODIUM DICHROMATE is a strong oxidizing agent. Incompatible with strong acids. . Contact with combustible materials may lead to fires. Toxic chromium oxide fumes may form in fire [USCG, 1999]. The well known "chromic acid mixture" of dichromate and sulfuric acid with organic residue led to violent exothermic reaction. This mixture in combination with acetone residue also led to violent reaction. The combination of the dichromate and sulfuric acid with alcohols, ethanol and 2-propanol, led to violent exothermic reaction. Because of the occurrence of many incidents involving the dichromate-sulfuric acid mix with oxidizable organic materials, SODIUM DICHROMATE is probably best to avoid such interactions. The combination of the dichromate with hydrazine is explosive (one may expect the reaction of the dichromate to be vigorous with amines in general), [Mellor, 1943, Vol. 11, 234]. The addition of the dehydrated dichromate salt to acetic anhydride led to an exothermic reaction which eventually exploded. An induction period preceded the explosion event [Bretherick, 5th Ed., 1995]. Boron, silicon, and dichromates form pyrotechnic mixtures. A mixture of acetic acid, 2-methyl-2-pentenal and the dichromate led to a runaway reaction and eruption of the reactor contents, [J. Haz. Mat., 1987, 233-239].

### Health Hazard

Inhalation of dust or mist causes respiratory irritation sometimes resembling asthma; nasal septal perforation may occur. Ingestion causes vomiting, diarrhea, and (rarely) stomach and kidney complications. Contact with eyes or skin produces local irritation; repeated skin exposure causes dermatitis.

### Fire Hazard

Behavior in Fire: Decomposes to produce oxygen when heated. May ignite other combustibles upon contact.

### Safety Profile

Confirmed carcinogen with experimental tumorigenic data. Poison by ingestion, sktn contact, intravenous, intraperitoneal, and subcutaneous routes. Human systemic effects by ingestion: cough, nausea or vomiting, and sweating. Human mutation data reported. A caustic and irritant. A powerful oxidizer. Potentially explosive reaction with acetic anhydride, ethanol + sulfuric acid + heat, hydrazine. Violent reaction or ignition with boron + shcon (pyrotechnic), organic residues + sulfuric acid, 2-propanol + sulfuric acid, sulfuric acid + trinitrotoluene. Incompatible with hydroxylamine. When heated to decomposition it emits toxic fumes of Na<sub>2</sub>O. See also CHROMIUM COMPOUNDS.

### Potential Exposure

Used to make dyes, inks, pigments, and other chromates; in leather tanning, a corrosion inhibitor in circulating water systems; metal treatment; a drilling mud additive; chemical intermediate for chromium catalysts; colorimetry, oxidizing agent; bleaching agent; an algicide, fungicide, insecticide; in wood preservation.

### Shipping

UN3087 Oxidizing solid, toxic, n.o.s., Hazard Class: 5.1; Labels: 5.1-Oxidizer, 6.1-Poisonous materials, Technical Name Required. UN3085 Oxidizing solid, corrosive, n.o.s., Hazard Class: 5.1; Labels: 5.1-Oxidizer, 8-Corrosive material, Technical Name Required.

### Incompatibilities

Aqueous solution in a base. A strong oxidizer. Violent reaction with reducing agents; combustibles, strong acids; organic materials.

## SODIUM DICHROMATE Preparation Products And Raw materials

### Raw materials

[HEAVY CUT RESIDUE OIL](#) | [Chrome iron ore](#) | [Dolomite \(CaMg\(CO<sub>3</sub>\)<sub>2</sub>\), dead-burned refractory](#)

### Preparation Products

[Chromic sulfate](#) | [5-Nitro-2-furoic acid](#) | [3-Bromofuran](#) | [Tartrazine](#) | [2-Methylfuran](#) | [Chromium\(VI\) oxide](#) | [Potassium dichromate](#) | [Pale chrome yellow](#) | [Middle chrome yellow](#) | [Ferric chrome lignin sulfonate](#) | [Sodium chromate tetrahydrate](#) | [Potassium chlorate](#) | [Sodium chromate](#) | [Furfuryl alcohol](#) | [Basic chromic sulfate](#) | [Ammonium dichromate](#)

**10588-01-9(SODIUM DICHROMATE)Related Search:**

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[bichromatedesodium](#) | [bichromatedesodium\(french\)](#) | [bichromateofsoda](#) | [caswellno761](#) | [celcure](#) | [celcurewoodpresrvative](#) | [chromicacid\(h2cr2o7\),disodiumsalt](#) | [chromicacid\(h2cr2o7\),disodiumsalt](#) | [chromiumsodiumoxide\(cr3na2o7\)](#) | [dichromicacid\(h2cr2o7\),disodiumsalt](#) | [dichromicacid,disodiumsalt](#) | [disodiumdichromate](#) | [epapesticidechemicalcode068304](#) | [j.h.baxterchromatedzincchloridesolution](#) | [kopperswolmansaltscca](#) | [natriumbichromaat](#) | [natriumdichromaat](#) | [natriumdichromat](#) | [oakitecompositionno.155](#) | [osmosehollowheartconcentrate](#) | [sodio\(dicromatodi\)](#) | [sodium\(dichromatede\)](#) | [sodium\(dichromatede\)\(french\)](#) | [sodiumdichromate\(na2\(cr2o7\)\)](#) | [Sodium dichromate: \(Disodium dichromate\)](#) | [sodium dichromate anhydrate](#) | [Sodium dichromate](#) | [Dichromate, sodium](#) | [disodium:oxido-\(oxido\(dioxo\)chromio\)oxy-dioxochromium](#) | [sodiumdichromate\(vi\)](#) | [sodiumdichromate6](#) | [wolmansaltscca-typeb](#) | [wolmansaltscca-typec](#) | [conservante de madera](#) | [Bicromato de sodio - Carc.](#) | [BICARBONATO DE SODIO - GRADO ALIMENTARIO](#) | [DICROMATO DE SODIO](#) | [BICROMATO DE SODIO](#) | [NADICROMATO](#) | [Ácido crómico \(H2Cr2O7\), sal de sodio \(1: 2\)](#) | [10588-01-9](#) | [29800](#) | [Cr2H2O72Na](#) | [Inorgánicos](#) | [Química Inorgánica](#)

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