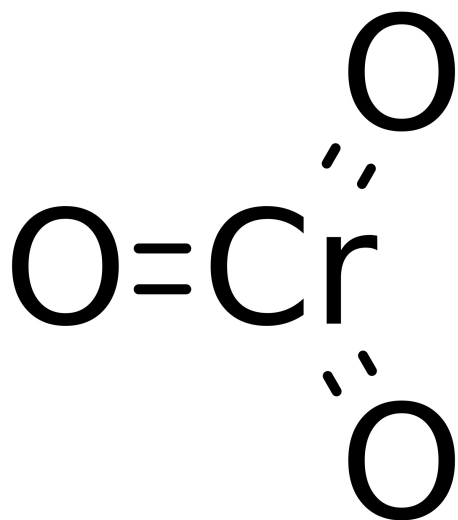# h1>Chromium oxide AR [1333-82-0]

CAS number: **1333-82-0**
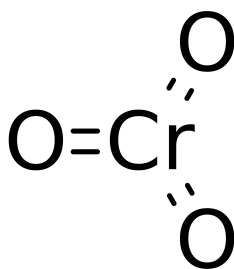Summary formula: **CrO3**
Molar mass: **99.99 g / mol**
Synonyms: **chromium trioxide, chromic anhydride**
Translation [ENG]: **Chromium oxide**
Application: **Indirect production of other chromium substances, formulation of preparations used e.g. for metal finishing or as a catalyst, surface treatment with e.g. functional and decorative galvanization, passivation (corrosion resistance)**
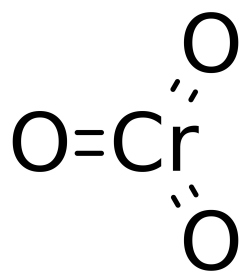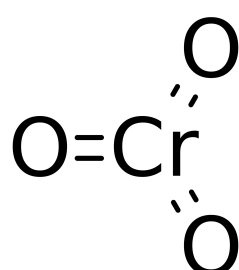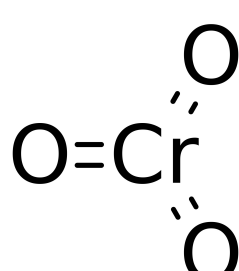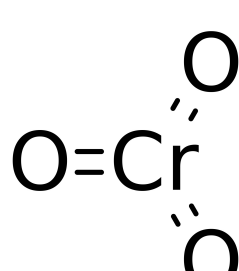
VARIATIONS

Image	Price	Pack size
	£19,00 gross | £15,45 netto	1 kg

Image	Price	Pack size
$O=Cr$ with O groups	£87,40 gross | £71,06 netto	5 kg
$O=Cr$ with O groups	£169,10 gross | £137,48 netto	10 kg
$O=Cr$ with O groups	£323,00 gross | £262,60 netto	20 kg
$O=Cr$ with O groups	£790,40 gross | £642,60 netto	50 kg

PRODUCT DESCRIPTION

Chromium oxide AR [1333-82-0]

Chromic anhydride is used in the production of other chromic substances, the formulation of

preparations used e.g. in metal finishing or as a catalyst, surface treatment with e.g. functional and decorative galvanization, passivation (corrosion resistance).

Physical state: solid

Color: red-brown

Odor: no smell

pH: 1 (10 g / l H2O, 20 ° C)

Melting point: 196 ° C

Boiling point: decomposition

Auto-ignition temperature: not applicable

Flash point: not applicable

Explosion limits: not applicable:

Vapor pressure: not applicable

Density: 2.7 g / cm3 (20 ° C)

Bulk weight: 1400 kg / m3

Solubility:

in water: 62.5% (20 ° C)

solubility in other solvents: dissolves in acetone and acetic acid.

Hazard pictograms

Labels for hazardous chemicals and mixtures that are part of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The pictograms recommended by GHS have the shape of a square set on the top. They should contain a black symbol on a white background with a red border.

Priority rules to be observed in connection with the labeling of a substance:

- the skull and crossbones, the exclamation mark pictogram should not be added.
- corrosivity, the pictogram exclamation mark should not be added if it concerns eye or skin irritation.
- health hazard determining respiratory sensitization, the exclamation mark pictogram should not be added if it concerns skin sensitization or irritation to eyes or skin.

Source: GHS pictograms