



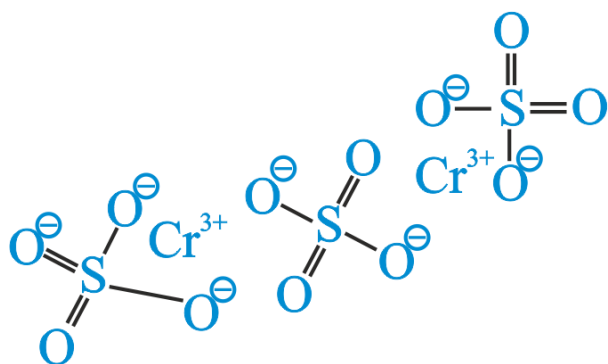
CHROMIUM III SULFATE FORMULA

Chromium (III) Sulfate is an inorganic compound where the ratio of chromium and sulfate is 2: 3. It Contains molecular formula $\text{Cr}_2(\text{SO}_4)_3$. It is water soluble blue grey solid. When it is hot, it changes from blue to green. Here, in this article, we will discuss more about the formula Chromium (III) Sulfate and its chemical structure, properties and uses.

➤ Chromium III Sulfate Properties

Properties of Chromium (III) Sulfate Properties	
Name	Chromium (III) Sulfate
Appearance	Blue-gray solid
Chemical Formula	$\text{Cr}_2(\text{SO}_4)_3$
Melting Point	90 °C
Boiling Point	>700 °C
Density	3.1 g/cm ³ (anhydrous) 1.86 g/cm ³ ((pentadecahydrate) 1.709 g/cm ³ (octadecahydrate)
Molar Mass	392.16 g/mol (anhydrous) 608.363 g/mol (dodecahydrate) 716.45 g/mol (octadecahydrate)
Solubility in Water	Soluble

➤ Chromium III Sulfate Structure



➤ Uses of Chromium III Sulfate

- It is also used as an electrolyte for obtaining chromium metal.
- It is also used for chrome plating on other metals for decorative and protective purposes.
- It is also used as a mordant in tanning leather.
- It is also used in imparting green colour to varnishes, paints, ceramic glazes and ink.