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Solubility chart

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An **solubility chart** refers to a chart with a list of **ions** and how, when mixed with other ions, they can become **precipitates** or remain **aqueous**. The following chart shows the **solubilities** of various compounds at a pressure of 1 atm and at room temperature (approx. 293.15 K). Any box that reads "soluble" results in an aqueous product, while "slightly soluble" and "insoluble" markings means that there is a precipitate that will form (usually, this is a solid). Boxes marked "other" can mean that many different states of products can result. For more detailed information of the exact solubility of the compounds, see the **solubility table**.

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The chemicals have to be exposed to their boiling point to fully dissolve.

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Interaction	Chloride Cl^-	Bromide Br^-	Iodide I^-	Carbonate CO_3^{2-}	Chlorate ClO_3^-	Hydroxide OH^-	Nitrate NO_3^-	Oxide O^{2-}	Phosphate PO_4^{3-}	Sulfate SO_4^{2-}	Dichromate $\text{Cr}_2\text{O}_7^{2-}$
Lithium portal	S	S	S	sS	S	S	S	R	?	S	I
Recent changes	S	S	S	S	S	S	S	R	S	S	S
Sodium Tools	S	S	S	S	S	S	S	R	S	S	S
Potassium Related changes	S	S	S	S	S	S	S	R	S	S	S
Ammonium Special pages	S	S	S	S	S	S	S	?	S	S	S
Beryllium Permanent link	S	S	R	?	?	?	S	R	?	S	?
Magnesium Print/export	S	S	S	I	S	I	S	I	I	S	I
Calcium Download as PDF	S	S	S	I	S	sS	S	R	I	sS	I
Strontrium Language	S	S	S	I	S	S	S	R	?	I	?
Barium Hrvatski	S	S	S	I	S	S	S	S	?	I	?
Zinc Nederlands Polski	S	S	S	I	S	I	S	I	I	S	I
Iron(II) Tin(II)	S	S	S	I	S	I	S	I	I	S	I
Copper(II) Copper(II)	S	S	?	I	S	I	S	I	I	S	I
Aluminium Al^{3+}	S	S	X	?	S	I	S	R	I	S	I
Iron(III) Fe^{3+}	S	S	?	X	S	I	S	I	I	sS	I
Lead(II) Pb^{2+}	sS	sS	I	I	S	I	S	I	?	I	?
Silver Ag^+	I	I	I	I	S	sS	S	sS	I	sS	I
	Chloride Cl^-	Bromide Br^-	Iodide I^-	Carbonate CO_3^{2-}	Chlorate ClO_3^-	Hydroxide OH^-	Nitrate NO_3^-	Oxide O^{2-}	Phosphate PO_4^{3-}	Sulfate SO_4^{2-}	Dichromate $\text{Cr}_2\text{O}_7^{2-}$

Key:

S	soluble
I	insoluble
sS	slightly soluble
X	other
R	reacts with water
?	unavailable

See also [edit]

- [Solubility](#)
- [Solubility table](#)
- [Solubility rules](#)

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- [Additional Ionic Combinations](#) ↗

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