

Potassium chromate (K_2CrO_4), a yellow crystalline solid, and potassium bichromate, or potassium dichromate ($K_2Cr_2O_7$), a red crystalline solid, are powerful oxidizing agents used in matches and fireworks, in textile dyeing, and in leather tanning.

Potassium

In chromates and dichromates, chromium has a valence of +6. Potassium dichromate ($K_2Cr_2O_7$) is a red, water-soluble solid that, mixed with gelatin, gives a light-sensitive surface useful in photographic processes (see Photography).