

**Table 6.1 B: Hexavalent Chromium Chemical/Physical Characteristics**

Name	Melting/boiling point	Solubility in water (g/100 cm <sup>3</sup> )	Density (g/cm <sup>3</sup> )	Appearance
Ammonium dichromate	Decomposes at 170° C	30.8 @ 15° C	2.155 @ 25° C	Red-orange crystals
Barium chromate	Decomposes	0.00034 @ 16° C	4.498 @ 25° C	Black-green crystals
Calcium chromate	No data	2.23	2.89 (no temp specified)	Yellow prisms
Chromium trioxide	197° C/decomposes	61.7 @ 0° C	2.7 @ 25° C	Dark red crystals
Lead chromate	844° C/no data	5.8	6.12 @ 15° C	Yellow, orange or red crystals
Potassium chlorochromate	Decomposes	Decomposes in water	2.497 @ 39° C	Orange needles or purplish crystals
Potassium chromate	975° C/no data	62.9 @ 20° C	2.732 @ 18° C	Orange-red crystals
Potassium dichromate	398 °C/decomposes at 500 °C	4.9 @ 0° C	2.676 @ 25° C	Orange-red crystals
Silver chromate	No data	0.014 @ 25° C	5.625 @ 25° C	Maroon crystals
Sodium chromate	792 °C/no data	87.3 @ 30° C	2.723 @ 25° C	Yellow crystals
Sodium chromate, dihydrate	356 °C/decomposes at 400 °C	230 @ 0° C	2.348 @ 25° C	Orange-red crystals
Strontium chromate	No data	0.12 @ 15° C	3.895 @ 15° C	Yellow crystals
Zinc chromate	No data	Insoluble	3.4 (temp not specified)	Lemon yellow prisms

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