

CESIUM

Cs

Atomic number 55	Crystal form Body-centered cubic	Oxidation states 0, 1
Atomic weight 132.90543	Electrical resistivity (0°C) 19 $\mu\Omega$ -cm	Electronegativity, Pauling 0.7
CAS number 7440-46-2	Enthalpy of melting 2.087 kJ/mol	Specific heat (25°C) 0.057 cal/g K
Boiling point 669.3°C	Enthalpy of vaporization 63.85 kJ/mol	Thermal conductivity (25°) 35.9 W/(m K)
Melting point 28.40°C	Ionization potential (spectral) 3.894 eV (I) 25.1 eV (II)	
Specific gravity (20°C) 1.873	(aqueous) 2.923 V (+1)	

COMPOUNDS

$\begin{array}{c} \text{O} \\ \\ \text{H}_3\text{C}-\text{C}-\text{O}^- \text{Cs}^+ \end{array}$	CXCS010 CESIUM ACETATE $\text{C}_2\text{H}_3\text{CsO}_2$ Solubility, water: >800 g/l HYDROLYTIC SENSITIVITY: 0: forms stable aqueous solutions [3396-11-0] TSCA EC 222-248-0 HMIS: 2-1-1-X 25g ¥14,500	191.95	(190-5)	Hygroscopic
	CXCS045 CESIUM FORMATE, monohydrate $\text{CHCsO}_2 \cdot \text{H}_2\text{O}$ Density of 83% aqueous solution: 2.3 HYDROLYTIC SENSITIVITY: 0: forms stable aqueous solutions [3495-36-1] TSCA EC 222-492-8 HMIS: 3-1-0-X 100g ¥25,000	172.92/195.94	(45)	TOXICITY: oral rat, LD50: 1,780 mg/kg pKa: 3.76
$\begin{array}{c} \text{O} \\ \\ \text{H}-\text{C}-\text{O}^- \text{Cs}^+ \end{array}$	AKC192 CESIUM METHOXIDE, 10% in methanol CH_3CsO HYDROLYTIC SENSITIVITY: 7: reacts slowly with moisture/water [13106-69-9] HMIS: 3-4-1-X 25g ¥31,500	163.94	0.85	
	CXCS080 CESIUM TRIFLUOROACETATE $\text{C}_2\text{CsF}_3\text{O}_2$ F&F: Vol. 11, p 557; Vol. 14, p 322. HYDROLYTIC SENSITIVITY: 0: forms stable aqueous solutions [21907-50-6] HMIS: 3-1-0-X 10g ¥12,000	245.92	(114-6)	

CERIUM - see RARE EARTHS