>>**Entry Name: Zinc selenate ($ZnSeO_4$)**
Synonym(s): Zinc orthoselenate

CAS Registry Number: 13597-54-1
$ZnSeO_4$

Molecular Formula: O_4SeZn
Molecular Weight: 208.348
Accurate Mass: 207.825325
Percentage Composition: O 30.72%; Se 37.90%; Zn 31.39%
Source/Synthesis: Anhyd. salt formed by dehydration of hydrates at 330°
Physical Description: White triclinic cryst.
Solubility: Sol. H_2O
Other Data: Dec. at 590° to $ZnSeO_3$

>>**Derivative:** Monohydrate

CAS Registry Number: 14912-38-0
Other Data: Isomorphous with $ZnSO_4.H_2O$. Dehydrates at 330°

>>**Derivative:** Trihydrate

CAS Registry Number: 55004-57-4

>>**Derivative:** Pentahydrate

CAS Registry Number: 7446-23-3
Physical Description: White triclinic cryst.
Other Data: Dehydrates to monohydrate at 190°

>>**Derivative:** Hexahydrate
Synonym(s): Hexaaquazinc(2+) selenate

CAS Registry Number: 7446-24-4
Source/Synthesis: Synth. from basic $ZnCO_3$ and aq. H_2SeO_4
Physical Description: Cryst. (H_2O)
Other Data: Dehydrates to pentahydrate at 100°. Crysts. are chiral. Contains octahedral $[Zn(OH)_6]^{2(+)}$, tetrahedral $[SeO_4]^{2(-)}$ linked via H-bonds

References:

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