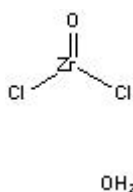


TECHNICAL INFORMATION

Catalog Number: 158319
Zirconyl Chloride Hydrate

Structure:



Molecular Formula: $\text{ZrOCl}_2 \cdot 8\text{H}_2\text{O}$ (product is typically the octahydrate)

Molecular Weight: 322.1

CAS # 5461-27-5

Synonyms: Dichlorooxozirconium; Zirconium oxychloride; Basic zirconium chloride

Physical Description: White solid

Solubility: Soluble in water (100 mg/ml - clear, colorless solution) or ethanol. It is highly polymerized in solution and amorphous in the solid state.¹

Description: Used in the synthesis of a series of mixed zirconium phosphonates which have uses in catalysis, ion exchange or photophysics. The compound has been used in the preparation of body deodorants and antiperspirant preparations; used to improve the properties of color lakes.¹

Reference:

- *Merck Index, 12th Ed.*, No. 10317.
- Leenstra, W.R. and Amicangelo, J.C., *Inorg. Chem.*, v. **37**, 5317 (1998).