



Zirconium Acetate

Appearance and general characteristics

Zirconium acetate is a mildly acidic clear, aqueous solution, available in two concentrations. It can withstand medium to long term exposure to natural temperature extremes. Precipitates formed due to excess exposure to extreme cold will in most cases readily re-dissolve. Hydrolysis which may result from prolonged high temperature exposure can cause irreversible damage.

Packaging

- Plastic pails
- Plastic drums
- Plastic IBCs/totes
- Bulk quantities available upon request

Safety data sheet

Regional SDS information is available on request.

Chemical and physical properties (typical values)

Table 1.

Grade	ZrO ₂ (wt. %)	pH	S.G
22% acetate	22	3.0–3.6	1.31
30% acetate	30	3.0–3.6	1.45

Applications

1. Zirconium/wax water repellents for semi-durable textile fabrics and paper
2. Catalyst for curing silicone resins in water repellent treatments of textiles and leather
3. "Filling" or "Re-tan" for high quality leather goods
4. Binder in catalysis applications
5. Crosslinker for gels
6. Adhesion promoter in water-based printing inks
7. Component of corrosion inhibiting pre-treatment process for metal
8. Refractory binder for manufacturing high temperature stabilized zirconia shapes
9. Precursor material in preparation of other zirconium compounds, particularly soaps
10. Ultra-violet light reflecting coatings
11. Electro and other specialty ceramics
12. Crosslinker for polyvinyl alcohol (for acidic conditions)

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