

Chemicals: Sulphuric Acid - Titanium Tetrachloride

(A) Excellent = Recommended (B) Good = Recommended (C) Fair (limited life) (X) Not Recommended

| Chemical | Concentration (%) | Temp. | | PVC | CPVC | PP | PVDF | TEFLON | VITON | EPDM | NITRILE | Chemical | Concentration (%) | Temp. | | PVC | CPVC | PP | PVDF | TEFLON | VITON | EPDM | NITRILE | | |
|--|-------------------|-------|-----|-----|------|----|------|--------|-------|------|---------|---|-------------------|-------|-----|-----|------|----|------|--------|-------|------|---------|---|---|
| | | °C | °F | | | | | | | | | | | °C | °F | | | | | | | | | | |
| Sulfuric Acid H ₂ SO ₄ | 90 | 20 | 68 | A | A | A | A | A | A | B | C | Tartaric Acid (Dioxysuccinic Acid) CH(OH) COOH CH(OH) COOH | Pure | 20 | 68 | A | | A | A | A | A | A | A | A | A |
| | | 40 | 104 | B | A | A | A | A | A | B | C | | | 40 | 104 | A | | A | A | A | A | A | A | A | A |
| | | 60 | 140 | B | B | B | A | A | A | C | C | | | 60 | 140 | A | | A | A | A | A | A | A | B | A |
| | | 80 | 176 | | C | B | A | A | B | X | X | | | 80 | 176 | | | B | A | A | A | | | | B |
| | | 100 | 212 | | | | B | A | C | | | | | 100 | 212 | | | | A | A | | | | | |
| | | 120 | 248 | | | | X | B | X | | | | | 120 | 248 | | | | A | A | | | | | |
| Sulfuric Acid H ₂ SO ₄ | 93 | 20 | 68 | A | A | A | A | A | A | B | C | Tertiary Butyl Alcohol (CH ₃) ₃ C(OH) | Pure | 20 | 68 | A | A | A | A | A | A | A | B | X | |
| | | 40 | 104 | B | B | A | A | A | A | B | X | | | 40 | 104 | | | | A | A | | | | | |
| | | 60 | 140 | B | B | B | A | A | B | C | 60 | | | 140 | | | | A | A | | | | | | |
| | | 80 | 176 | | C | B | A | A | B | X | 80 | | | 176 | | | | A | A | | | | | | |
| | | 100 | 212 | | | C | B | A | X | | | | | 100 | 212 | | | | | A | A | | | | |
| | | 120 | 248 | | | | X | B | | | | | | 120 | 248 | | | | | A | A | | | | |
| Sulfuric Acid H ₂ SO ₄ | 94 | 20 | 68 | A | A | B | A | A | A | C | X | Tetrachloro-ethane Cl ₂ CHCHCl ₂ | Pure | 20 | 68 | X | | B | A | A | A | A | X | X | |
| | | 40 | 104 | B | B | B | A | A | B | X | 40 | | | 104 | | | | A | A | | | | | | |
| | | 60 | 140 | B | C | B | A | A | C | | | | | 60 | 140 | | | | A | A | | | | | |
| | | 80 | 176 | | | C | B | A | C | | | | | 80 | 176 | | | | A | A | | | | | |
| | | 100 | 212 | | | | C | A | | | | | | 100 | 212 | | | | | A | A | | | | |
| | | 120 | 248 | | | | X | B | | | | | | 120 | 248 | | | | | A | A | | | | |
| Sulfuric Acid H ₂ SO ₄ | 95 | 20 | 68 | A | A | C | A | A | A | X | X | Tetraethyl Lead Pb(C ₂ H ₅) ₄ | Pure | 20 | 68 | A | | A | A | A | A | X | B | | |
| | | 40 | 104 | B | B | | A | A | C | | | | | 40 | 104 | | | | A | A | A | | | | |
| | | 60 | 140 | C | C | | A | A | C | | | | | 60 | 140 | | | | A | A | A | | | | |
| | | 80 | 176 | | | | B | A | | | | | | 80 | 176 | | | | A | A | B | | | | |
| | | 100 | 212 | | | | C | A | | | | | | 100 | 212 | | | | A | A | | | | | |
| | | 120 | 248 | | | | X | B | | | | | | 120 | 248 | | | | A | A | | | | | |
| Sulfuric Acid H ₂ SO ₄ | * 96 | 20 | 68 | A | B | X | A | A | B | X | X | Tetrahydro-furan CH ₂ - CH ₂ CH ₂ - CH ₂ O | Pure | 20 | 68 | X | X | B | C | A | B | X | X | | |
| | | 40 | 104 | C | C | | A | A | C | | | | | 40 | 104 | | | | C | X | A | | | | |
| | | 60 | 140 | C | X | | A | A | X | | | | | 60 | 140 | | | | X | | A | | | | |
| | | 80 | 176 | | | | B | A | | | | | | 80 | 176 | | | | | | B | | | | |
| | | 100 | 212 | | | | C | A | | | | | | 100 | 212 | | | | | | | | | | |
| | | 120 | 248 | | | | X | B | | | | | | 120 | 248 | | | | | | | | | | |
| Sulfuric Acid H ₂ SO ₄ | 98 | 20 | 68 | B | B | X | A | A | X | X | X | Tetralin (Tetrahydro-naphthalene) C ₁₀ H ₁₂ | Pure | 20 | 68 | X | | X | A | A | A | X | X | | |
| | | 40 | 104 | C | C | | A | A | | | | | | 40 | 104 | | | | A | A | | | | | |
| | | 60 | 140 | X | X | | B | A | | | | | | 60 | 140 | | | | B | A | | | | | |
| | | 80 | 176 | | | | C | A | | | | | | 80 | 176 | | | | B | | | | | | |
| | | 100 | 212 | | | | X | B | | | | | | 100 | 212 | | | | | | | | | | |
| | | 120 | 248 | | | | | B | | | | | | 120 | 248 | | | | | | | | | | |
| Sulfuric Acid H ₂ SO ₄ | 100 | 20 | 68 | X | X | X | X | A | X | X | X | Tetramethyl Ammonium Hydroxide (CH ₃) ₄ NOH | 50 | 20 | 68 | | | | A | A | | | | | |
| | | 40 | 104 | | | | | A | | | | | | 40 | 104 | | | | A | A | | | | | |
| | | 60 | 140 | | | | | | | | | | | 60 | 140 | | | | B | A | | | | | |
| | | 80 | 176 | | | | | | | | | | | 80 | 176 | | | | B | A | | | | | |
| | | 100 | 212 | | | | | | | | | | | 100 | 212 | | | | C | A | | | | | |
| | | 120 | 248 | | | | | | | | | | | 120 | 248 | | | | | A | | | | | |
| Sulfurous Acid H ₂ SO ₃ | | 20 | 68 | A | A | A | A | A | A | A | C | Titanic Sulfate Ti(SO ₄) ₂ | | 20 | 68 | A | A | A | A | A | A | A | A | A | |
| | | 40 | 104 | A | A | A | A | A | A | A | | | | | 40 | 104 | A | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | B | | | | | 60 | 140 | A | A | A | A | A | | | | |
| | | 80 | 176 | | B | A | A | A | B | C | | | | | 80 | 176 | | A | A | A | A | | | | |
| | | 100 | 212 | | | | A | A | C | | | | | 100 | 212 | | | | A | A | | | | | |
| | | 120 | 248 | | | | | A | | | | | | 120 | 248 | | | | | A | A | | | | |
| Sulfuryl Chloride SO ₂ Cl ₂ | Pure | 20 | 68 | X | X | | B | A | A | X | X | Titanium Dioxide TiO ₂ | | 20 | 68 | A | A | A | A | A | A | A | A | A | |
| | | 40 | 104 | | | | C | A | | | | | | 40 | 104 | A | A | A | A | A | A | A | A | A | |
| | | 60 | 140 | | | | | A | | | | | | 60 | 140 | A | A | A | A | A | A | A | A | A | |
| | | 80 | 176 | | | | | | | | | | | 80 | 176 | | | | A | A | A | A | A | A | |
| | | 100 | 212 | | | | | | | | | | | 100 | 212 | | | | | A | A | A | A | A | |
| | | 120 | 248 | | | | | | | | | | | 120 | 248 | | | | | A | A | | | | |
| Tall Oil | | 20 | 68 | A | | | A | A | A | B | A | Titanous Sulfate Ti ₂ (SO ₄) ₃ | | 20 | 68 | A | A | A | A | A | A | A | A | A | |
| | | 40 | 104 | A | | | A | A | A | | | | | 40 | 104 | A | A | A | A | A | A | A | A | A | |
| | | 60 | 140 | B | | | A | A | A | | | | | 60 | 140 | A | A | A | A | A | | | | | |
| | | 80 | 176 | | | | A | A | | | | | | 80 | 176 | | A | A | A | A | | | | | |
| | | 100 | 212 | | | | A | A | | | | | | 100 | 212 | | | | A | A | | | | | |
| | | 120 | 248 | | | | A | A | | | | | | 120 | 248 | | | | | A | A | | | | |
| Tannic Acid (Tannin) C ₇₆ H ₅₂ O ₄₆ | | 20 | 68 | A | A | A | A | A | A | B | A | Titanium Tetrachloride TiCl ₄ | | 20 | 68 | X | | A | | A | A | C | B | | |
| | | 40 | 104 | A | A | A | A | A | | | | | | 40 | 104 | | | | | A | A | | | | |
| | | 60 | 140 | A | A | A | A | A | | | | | | 60 | 140 | | | | | A | A | | | | |
| | | 80 | 176 | | | A | A | A | | | | | | 80 | 176 | | | | | | | | | | |
| | | 100 | 212 | | | | A | A | | | | | | 100 | 212 | | | | | | | | | | |
| | | 120 | 248 | | | | A | A | | | | | | 120 | 248 | | | | | | | | | | |

Sulfuric Acid at 90°C: up to 50% - PP rated "A", EPDM rated "B"; 51-93% - PP rated "C".
*66 Baumé Sulphuric Acid = 96% concentration.