## *Chemicals: Lemon Oil - Mercuric Nitrate*

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

| Chemical | Concentration (%) | Temp. °C | Temp. °F | PVC | CPVC | PP | PVDF | TEFLON | VITON | EPDM | NITRILE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lemon Oil** | | 20 | 68 | | | C | A | A | A | C | A |
| | | 40 | 104 | | | X | A | A | | | |
| | | 60 | 140 | | | | A | A | | | |
| | | 80 | 176 | | | | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Linoleic Acid** $CH_3(CH=CH-CH_3)_3-(CH_2)_7COOH$ | | 20 | 68 | A | | B | A | A | A | X | A |
| | | 40 | 104 | A | | | A | A | | | |
| | | 60 | 140 | B | | | A | A | | | |
| | | 80 | 176 | | | | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Linoleic Oil** | | 20 | 68 | A | | | A | A | A | | |
| | | 40 | 104 | A | | | A | A | B | | |
| | | 60 | 140 | B | | | A | A | X | | |
| | | 80 | 176 | | | | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Linseed Oil** | | 20 | 68 | A | A | A | A | A | A | B | A |
| | | 40 | 104 | A | A | A | A | A | A | | |
| | | 60 | 140 | A | A | A | A | A | | | |
| | | 80 | 176 | | | B | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Lithium Bromide** LiBr | 60 | 20 | 68 | A | | A | A | A | A | | A |
| | | 40 | 104 | A | | A | A | A | A | | A |
| | | 60 | 140 | A | | A | A | A | A | | A |
| | | 80 | 176 | | | A | A | A | A | | A |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | A | A | | | |
| **Lithium Chloride** LiCl | Satu | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | | A |
| | | 80 | 176 | | | A | A | A | A | | A |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | B | A | | | |
| **Lithium Hydroxide** LiOH | | 20 | 68 | A | | A | A | A | A | A | A |
| | | 40 | 104 | A | | A | A | A | A | A | |
| | | 60 | 140 | A | | A | A | A | A | A | |
| | | 80 | 176 | | | A | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | | A | | | |
| **Liquor (Gin, Whiskey, etc.)** | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | | | | A | A | A | A | A |
| | | 80 | 176 | | | | A | A | A | A | A |
| | | 100 | 212 | | | | | A | A | | |
| | | 120 | 248 | | | | | A | | | |
| **Magnesium Carbonate** $MgCO_3$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | A | A |
| | | 80 | 176 | | B | A | A | A | A | A | B |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | A | A | | | |
| **Magnesium Chloride** $MgCl_2$ | Satu | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | B | A | A | A | A | A | A | A |
| | | 80 | 176 | | B | A | A | A | A | A | A |
| | | 100 | 212 | | | | A | A | B | | |
| | | 120 | 248 | | | | A | A | | | |
| **Magnesium Citrate** $Mg_3(C_6H_5O_7)_2$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | A | A |
| | | 80 | 176 | | A | A | A | A | A | A | B |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | A | A | | | |

| Chemical | Concentration (%) | Temp. °C | Temp. °F | PVC | CPVC | PP | PVDF | TEFLON | VITON | EPDM | NITRILE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Magnesium Fluoride** $MgF_2$ | Satu | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | |
| | | 60 | 140 | A | A | A | A | A | A | A | |
| | | 80 | 176 | | | A | A | A | A | A | |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | | A | | | |
| **Magnesium Hydroxide** $Mg(OH)_2$ | Satu | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | | A | A | A | A | A | A |
| | | 80 | 176 | | | A | A | A | A | A | A |
| | | 100 | 212 | | | | B | A | A | | |
| | | 120 | 248 | | | | B | A | | | |
| **Magnesium Nitrate** $Mg(NO_3)_2$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | A | A |
| | | 80 | 176 | | | A | A | A | A | A | B |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | A | A | | | |
| **Magnesium Sulfate (Epsom Salts)** $MgSO_4$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | A | A |
| | | 80 | 176 | | A | A | A | A | A | A | A |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | A | A | | | |
| **Maleic Acid** $HOOCC_2H_2COOH$ | | 20 | 68 | A | A | A | A | A | A | A | B |
| | | 40 | 104 | A | A | A | A | A | A | B | B |
| | | 60 | 140 | B | A | A | A | A | B | B | |
| | | 80 | 176 | | A | A | A | A | B | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Malic Acid** $HOOCCH_2CH-(OH)COOH$ | Satu | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | B | A | A |
| | | 80 | 176 | | A | A | A | A | | A | B |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Manganese Chloride** $MnCl_2$ | | 20 | 68 | A | | A | A | A | A | A | A |
| | | 40 | 104 | A | | A | A | A | A | A | A |
| | | 60 | 140 | B | | A | A | A | A | A | A |
| | | 80 | 176 | | | B | A | A | A | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Maganese Sulfate** $MnSO_4$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | A | A |
| | | 80 | 176 | | B | A | A | A | A | A | A |
| | | 100 | 212 | | | | A | A | A | | |
| | | 120 | 248 | | | | A | A | | | |
| **Mercuric Chloride** $HgCl_2$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | A |
| | | 60 | 140 | A | A | A | A | A | A | A | A |
| | | 80 | 176 | | | A | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Mercuric Cyanide** $Hg(CN)_2$ | Satu | 20 | 68 | A | | A | A | A | A | A | A |
| | | 40 | 104 | A | | A | A | A | A | | |
| | | 60 | 140 | A | | A | A | A | A | | |
| | | 80 | 176 | | | A | A | A | | | |
| | | 100 | 212 | | | | A | A | | | |
| | | 120 | 248 | | | | A | A | | | |
| **Mercuric Nitrate** $Hg(NO_3)_2$ | | 20 | 68 | A | A | A | A | A | A | A | A |
| | | 40 | 104 | A | A | A | A | A | A | A | |
| | | 60 | 140 | A | A | A | A | A | A | A | |
| | | 80 | 176 | | | | A | A | A | | |
| | | 100 | 212 | | | | | A | | | |
| | | 120 | 248 | | | | | | | | |

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