| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | **TITANIUM** | **HASTELLOY C** | Cast Bronze | Brass | Cast Iron | Carbon Steel | **KYNAR** | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | **POLYPROPYLENE** | **RYTON** | **CARBON** | **CERAMIC** | **CERAMAGNET "A"** | **VITON** | **BUNA N (NITRILE)** | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Chloroform** | A | A | A | A | D | A | A | B | - | D | C | C | D | C | A | D | A | C | D | D | D | C | A | A | A | A | D | D | D | D | D | A |
| **Chlorosulfonic Acid**[1] | D | D | - | D | D | A | B | D | - | - | D | D | C | C | A | D | D | D | - | D | D | D | - | C | - | D | D | D | D | D | D | C |
| **Chlorox (Bleach)** | - | A | A | - | C | - | A | A | - | D | C | - | A | B | A | A | D | D | B | - | D | C | A | A | - | A | C | - | B | B | D | A |
| **Chocolate Syrup** | - | A | A | - | A | - | - | - | - | D | - | - | - | - | - | A | A | A | - | - | A | - | - | A | - | A | A | - | A | - | D | A |
| **Chromic Acid 5%** | - | A | A | B | C | A | A | D | D | D | - | - | A | B | - | C | D | D | B | B | A | A | D | C | - | A | D | C | D | A | B | B |
| **Chromic Acid 10%** | - | B | - | - | - | A | A | - | D | - | - | A | A | - | A | A | - | D | - | - | A | - | - | A | - | A | D | - | D | - | - | C |
| **Chromic Acid 30%** | - | B | - | - | - | A | A | - | D | - | - | B | A | - | A | D | - | D | - | - | A | - | - | A | - | A | D | - | D | - | - | D |
| **Chromic Acid 50%** | C | B | B | - | C | A | A | D | D | D | - | C | B | B | A | D | D | D | C | C | B | B | D | A | - | A | D | - | D | A | D | C |
| **Cider** | - | A | A | A | B | - | - | A | - | D | - | - | A | - | - | A | B | - | - | B | - | - | A | A | - | A | A | - | A | - | - | A |
| **Citric Acid** | - | A | A | A | C | A | A | D | C | D | — | A | A | - | A | A | B | C | C | B | B | - | A | A | B | A | D | C | A | A | A | A |
| **Citric Oils** | - | A | A | - | C | - | - | B | - | - | - | - | - | - | - | A | B | - | - | - | A | - | A | A | - | A | A | C | D | - | - | A |
| **Coffee** | A | A | A | A | A | - | - | B | - | C | - | - | - | - | A | A | A | A | - | - | A | - | A | A | - | A | A | - | A | - | A | A |
| **Copper Chloride** | C | D | D | B | D | A | A | D | - | D | - | A | A | B | A | A | B | D | - | B | A | A | - | A | - | A | A | - | A | A | A | A |
| **Copper Cyanide** | - | A | A | A | D | A | A | C | - | D | - | A | A | - | A | A | B | A | - | B | A | A | A | A | - | B | B | - | A | A | A | C |
| **Copper Floborate** | - | D | D | - | D | - | B | D | - | D | - | - | A | - | A | - | B | - | - | A | - | - | A | - | - | A | B | - | A | - | A | A |
| **Copper Nitrate** | B | A | A | B | D | A | A | D | - | - | - | A | A | - | A | A | B | D | - | B | A | - | A | A | - | A | A | - | A | - | - | A |
| **Copper Sulfate (5% Solution)** | - | A | A | A | D | A | A | D | D | D | - | - | A | - | A | A | B | D | - | B | A | A | A | A | - | A | A | C | A | - | C | A |
| **Copper Sulfate** | B | B | - | - | - | A | A | C | D | - | - | A | A | - | A | A | - | C | - | - | A | - | - | A | - | B | B | - | A | A | - | A |
| **Cream** | - | A | A | - | A | - | - | C | - | D | - | - | - | - | - | A | A | A | - | - | A | - | A | A | - | A | A | - | C | - | - | A |
| **Cresols**[2] | - | A | A | - | B | - | - | D | C | - | - | - | D | D | - | - | D | - | D | D | C | A | A | A | - | D | D | D | D | D | D | A |
| **Cresylic Acid** | B | A | A | - | C | A | B | C | - | - | - | B | B | D | A | - | D | D | - | C | - | - | A | A | - | A | D | - | D | D | D | A |
| **Cyclohexane** | - | A | - | - | A | A | - | A | - | - | A | - | - | D | - | D | A | - | - | - | D | A | A | A | - | A | A | D | D | D | D | A |
| **Cyanic Acid** | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | D | - | - | - | - | - | - | - | - | - | C | - | D | - | - | A |
| **Detergents** | - | A | A | - | A | - | - | A | - | - | A | - | A | - | - | A | B | A | B | B | A | A | A | A | - | A | A | - | B | A | C | A |
| **Dichlorethane** | - | A | A | - | - | - | A | - | - | - | - | - | D | D | A | - | - | A | - | D | - | - | - | - | - | B | - | - | D | - | D | A |
| **Diesel Fuel** | A | A | A | - | A | - | - | A | - | A | A | - | - | - | - | D | A | - | - | - | D | A | A | A | - | A | A | - | D | D | D | A |
| **Diethylamine** | A | A | - | - | A | - | - | A | - | - | - | - | D | - | A | B | D | - | - | - | C | - | A | A | - | D | B | - | B | B | C | A |
| **Diethylene Gycol** | - | A | - | - | - | - | - | A | - | - | - | - | - | - | - | A | A | A | B | B | - | - | A | A | - | A | A | C | A | A | A | A |
| **Diphenyl Oxide** | - | A | - | - | - | - | - | A | - | - | - | - | - | - | - | - | A | - | - | - | - | - | A | A | - | A | D | - | D | D | D | A |
| **Dyes** | - | A | A | - | B | - | - | C | - | - | - | - | - | - | - | A | A | - | - | - | - | - | - | - | - | A | - | - | C | - | - | A |
| **Epsom Salts (Magnesium Sulfate)** | B | A | A | A | A | A | B | B | - | - | - | - | A | - | - | A | A | - | - | - | A | - | A | A | - | A | A | - | A | - | C | A |
| **Ethane** | A | A | - | - | A | - | - | A | - | - | - | - | - | - | - | D | A | - | - | - | - | - | A | A | - | A | A | - | B | D | D | A |
| **Ethanolamine** | - | A | A | - | - | - | - | - | - | - | C | - | - | - | - | - | D | - | - | - | - | A | A | A | - | D | B | C | B | - | C | A |
| **Ether**[3] | A | A | A | A | A | - | B | B | A | - | B | - | D | C | - | D | A | C | - | - | - | A | A | A | A | C | D | - | D | C | D | A |
| **Ethyl Acetate**[2] | - | A | A | - | B | - | B | B | - | - | C | D | D | D | A | D | A | A | D | C | C | A | A | A | - | D | D | C | D | B | D | A |
| **Ethyl Chloride** | - | A | A | A | B | A | B | B | - | C | D | A | D | D | A | D | A | A | - | D | D | A | A | A | - | A | D | D | C | A | A | A |
| **Ethyl Sulfate** | - | D | - | - | - | - | - | - | - | - | - | - | - | - | - | - | B | - | - | - | - | - | A | A | - | A | A | - | - | - | - | A |
| **Ethylene Chloride**[2] | - | A | A | - | C | B | B | A | - | C | C | - | D | - | A | D | A | - | D | - | D | A | A | A | - | A | D | D | D | C | D | A |
| **Ethylene Dichloride** | - | A | A | - | D | A | B | C | - | - | C | - | D | D | A | D | A | A | - | D | A | A | C | A | - | A | D | D | D | C | D | A |
| **Ethylene Glycol**[4] | - | A | A | - | A | - | A | B | B | B | C | A | A | B | A | A | A | A | B | B | A | A | A | A | A | A | A | C | A | A | A | A |
| **Ethylene Oxide** | - | - | A | - | A | - | - | A | - | - | - | - | D | - | A | A | A | A | - | - | - | A | A | - | D | D | D | D | C | D | A |
| **Fatty Acids** | - | A | A | - | B | A | A | C | - | D | - | A | A | B | A | B | A | A | - | B | A | - | A | A | - | A | C | C | B | C | C | A |
| **Ferric Chloride** | - | D | D | D | D | A | B | D | D | D | - | A | A | B | A | A | B | D | - | B | A | A | A | A | - | A | D | C | B | A | A | A |
| **Ferric Nitrate** | - | A | A | A | D | A | A | D | - | - | - | A | A | - | A | A | B | D | - | B | A | A | A | A | - | A | A | D | A | A | A | A |
| **Ferric Sulfate** | - | A | C | A | D | A | A | D | D | D | - | A | A | B | A | A | B | A | C | - | A | A | C | A | - | A | B | C | A | - | A | A |
| **Ferrous Chloride** | - | D | D | - | D | A | B | C | - | D | - | A | A | B | A | A | B | D | - | B | A | A | A | A | - | A | B | C | A | - | A | A |

A—No effect—Excellent
B—Minor effect—Good
C—Moderate effect—Fair
D—Severe effect—Not Recommended

1. P.V.C.—Satisfactory to 72° F.
2. Polypropylene—Satisfactory to 72° F.
3. Polypropylene—Satisfactory to 120° F.
4. Buna-N—Satisfactory for "O" Rings
5. Polyacetal—Satisfactory to 72° F.
6. Ceramag—Satisfactory to 72° F.

| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | **TITANIUM** | **HASTELLOY C** | Cast Bronze | Brass | Cast Iron | Carbon Steel | **KYNAR** | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | **POLYPROPYLENE** | **RYTON** | **CARBON** | **CERAMIC** | **CERAMAGNET "A"** | **VITON** | **BUNA N (NITRILE)** | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ferrous Sulfate** | B | A | C | - | D | A | B | C | - | D | D | A | A | B | A | A | B | D | - | B | A | A | A | A | - | A | B | - | A | - | A | A |
| **Fluoboric Acid** | - | D | B | - | - | D | A | - | - | D | - | A | A | B | A | B | B | C | - | B | A | - | A | D | - | A | B | - | A | - | - | A |
| **Fluorine** | D | D | D | - | D | D | A | D | - | D | D | - | C | - | C | - | - | D | - | C | - | - | D | - | - | - | - | - | - | - | - | D |
| **Fluosilicic Acid** | - | - | B | - | D | D | B | - | - | D | - | A | A | B | A | A | B | D | - | B | A | - | A | D | - | B | A | - | A | - | - | C |
| **Formaldehyde 40%** | - | - | A | - | - | A | A | - | - | - | - | B | B | - | A | A | - | D | - | - | A | A | - | A | - | D | B | B | A | - | - | A |
| **Formaldehyde** | A | A | A | - | A | A | B | A | B | D | A | - | A | B | A | D | A | A | - | B | A | A | A | A | - | D | C | B | D | B | C | A |
| **Formic Acid[6]** | C | A | B | B | D | C | A | C | C | D | D | A | D | B | A | A | D | D | - | B | A | A | A | A | B | B | D | C | D | A | C | B |
| **Freon 11[1]** | A | - | A | - | B | - | - | B | - | C | B | - | B | D | A | D | A | A | D | C | - | A | A | A | A | B | C | D | D | D | D | A |
| **Freon 12 (wet)[2]** | - | - | D | - | B | - | - | B | - | - | - | - | B | D | A | D | A | A | B | C | A | A | A | A | A | A | A | D | B | B | D | A |
| **Freon 22** | - | - | A | - | B | - | - | B | - | - | - | - | D | D | - | B | A | A | - | - | - | A | A | A | A | D | D | D | A | A | A | A |
| **Freon 113** | - | - | A | - | B | - | - | B | - | - | - | - | C | D | - | - | A | A | - | - | - | A | A | A | A | C | A | D | A | - | D | A |
| **Freon T.F.[4]** | - | - | A | - | B | - | - | B | - | - | - | - | B | D | - | D | A | A | - | - | D | A | A | A | A | B | A | D | A | D | D | A |
| **Fruit Juice** | A | A | A | A | B | - | - | B | - | D | D | - | A | - | D | A | B | A | - | B | A | - | A | A | A | A | A | - | A | - | - | A |
| **Fuel Oils** | A | A | A | - | A | A | A | B | - | C | B | A | A | - | A | A | A | A | - | D | B | A | A | A | - | A | A | C | B | D | D | A |
| **Furan Resin** | - | A | A | - | A | - | - | A | - | A | A | - | - | - | A | - | A | - | - | - | - | A | - | A | - | A | D | - | D | - | D | A |
| **Furfural[1]** | A | A | A | - | A | - | B | A | - | - | A | D | D | - | A | D | B | A | D | D | D | A | A | A | - | D | D | D | D | B | D | A |
| **Gallic Acid** | B | A | A | - | A | - | A | A | - | D | D | - | A | A | A | - | - | A | - | - | - | - | - | - | - | B | A | - | - | - | - | - |
| **Gasoline[1] [4]** | A | A | A | A | A | D | A | A | - | A | A | A | C | - | A | D | A | A | D | D | C | A | A | A | A | A | A | D | D | C | D | A |
| **Gelatin** | A | A | A | A | A | - | A | A | C | D | D | - | A | - | A | A | A | A | - | - | A | - | A | A | - | A | A | - | A | A | A | A |
| **Glucose** | A | - | A | - | A | - | - | A | A | B | B | - | A | B | A | B | A | A | B | B | A | - | A | A | - | A | A | B | A | A | A | A |
| **Glue P.V.A.[1]** | B | B | A | - | B | A | - | A | - | - | A | - | A | B | A | - | A | A | - | - | - | - | A | A | - | A | A | - | A | - | - | A |
| **Glycerine** | A | A | A | A | A | A | A | A | B | B | B | A | A | B | A | A | A | A | C | - | A | - | A | A | - | A | A | B | A | A | A | A |
| **Cycolic Acid** | - | - | - | - | - | - | A | - | - | - | - | - | - | A | - | A | C | - | - | B | A | A | A | - | - | A | A | - | A | - | - | A |
| **Gold Monocyanide** | - | - | A | - | - | - | - | A | - | D | - | - | - | - | - | - | A | - | - | - | - | - | A | A | - | A | A | - | A | - | - | A |
| **Grape Juice** | - | A | A | - | B | - | - | B | - | D | - | - | A | - | - | A | B | - | B | B | - | - | A | A | - | A | A | - | A | - | - | A |
| **Grease[4]** | A | A | A | - | A | - | - | B | - | A | A | - | - | - | A | - | A | A | - | - | - | - | A | A | - | A | A | - | D | - | - | A |
| **Heptane[1]** | A | - | A | - | A | - | A | A | - | - | B | A | A | - | A | D | A | A | C | D | D | A | A | A | - | A | A | - | B | D | - | A |
| **Hexane[1]** | A | A | A | - | A | - | A | B | - | - | B | A | C | - | A | D | A | A | D | - | C | A | A | A | - | A | A | B | B | D | D | A |
| **Honey** | - | A | A | - | A | - | - | A | - | A | - | - | A | - | - | A | A | A | B | - | A | - | A | A | - | A | A | - | A | A | - | A |
| **Hydraulic Oils (Petroleum)[1]** | A | A | A | - | A | - | - | B | - | A | A | - | - | - | A | - | A | A | - | - | D | - | A | A | - | A | A | - | B | D | D | A |
| **Hydraulic Oils (Synthetic)[1]** | - | A | A | - | A | - | - | A | - | A | - | - | - | - | - | - | A | A | - | - | D | - | A | A | - | A | C | D | - | - | - | A |
| **Hydrazine** | - | A | A | - | - | - | - | - | - | C | - | - | - | - | - | - | D | - | - | - | - | - | A | - | - | A | B | D | B | A | C | A |
| **Hydrobromic Acid 20%** | - | - | D | - | - | A | A | - | - | - | - | A | A | - | A | A | - | D | - | - | A | - | - | B | - | A | D | - | C | - | - | B |
| **Hydrobromic Acid[4]** | D | D | D | D | D | A | A | D | - | D | D | A | A | B | A | C | D | D | - | B | B | - | A | A | - | A | D | D | D | A | A | A |
| **Hydrochloric Acid (Dry gas)** | D | C | A | - | D | - | A | - | - | - | D | - | A | - | A | - | - | - | - | - | - | - | A | - | - | - | - | - | - | A | - | A |
| **Hydrochloric Acid (20%)[4]** | - | D | D | D | D | C | B | D | - | D | - | A | A | B | A | A | D | D | B | A | A | D | A | A | D | A | C | - | C | A | C | A |
| **Hydrochloric Acid (37%)[4]** | - | D | D | D | D | C | B | D | - | D | - | A | A | B | A | A | D | D | C | A | A | D | A | C | D | A | C | C | C | C | D | A |
| **Hydrochloric Acid 100%** | - | D | D | - | D | D | C | D | - | D | - | - | A | A | A | - | - | D | - | A | - | - | A | C | - | C | D | - | C | - | A | A |
| **Hydrocyanic Acid** | A | A | A | C | A | A | A | D | D | - | C | - | A | B | A | A | B | A | - | B | A | - | A | A | - | A | C | - | B | - | A | A |
| **Hydrocyanic Acid (Gas 10%)** | - | D | D | - | - | - | - | - | - | - | - | - | A | - | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | A | C | A |
| **Hydrofluoric Acid (20%)[1]** | - | D | D | D | D | D | B | D | - | D | - | - | D | B | A | A | D | D | - | C | A | C | B | C | D | A | D | - | C | A | C | B |
| **Hydrofluoric Acid (75%)[1] [2]** | - | C | D | - | D | D | C | D | - | D | - | A | C | B | A | D | D | D | - | C | B | C | D | D | D | A | D | D | D | C | C | C |
| **Hydrofluoric Acid 100%** | D | D | D | - | D | D | B | D | - | D | D | - | C | D | A | - | - | - | - | D | - | C | D | D | - | - | D | - | D | - | D | A |
| **Hydrofluosilicic Acid (20%)** | - | D | D | - | D | D | B | A | - | D | - | - | D | - | A | B | D | D | - | - | A | - | A | D | - | A | B | - | B | A | A | C |
| **Hydrofluosilicic Acid** | - | D | D | - | C | - | C | D | - | - | - | - | - | C | A | - | - | - | - | - | - | - | A | - | - | - | - | D | A | - | - | - |

A—No effect—Excellent
B—Minor effect—Good
C—Moderate effect—Fair
D—Severe effect—Not Recommended

1. P.V.C.—Satisfactory to 72° F.
2. Polypropylene—Satisfactory to 72° F.
3. Polypropylene—Satisfactory to 120° F.
4. Buna-N—Satisfactory for "O" Rings
5. Polyacetal—Satisfactory to 72° F.
6. Ceramag—Satisfactory to 72° F.

| | 302 Stainless Steel | 304 Stainless Steel | 316 Stainless Steel | 440 Stainless Steel | Aluminum | **TITANIUM** | **HASTELLOY C** | Cast Bronze | Brass | Cast Iron | Carbon Steel | **KYNAR** | PVC (Type 1) | Tygon (E-3606) | Teflon | Noryl | Polyacetal | Nylon | Cycolac (ABS) | Polyethylene | **POLYPROPYLENE** | **RYTON** | **CARBON** | **CERAMIC** | **CERAMAGNET "A"** | **VITON** | **BUNA N (NITRILE)** | Silicon | Neoprene | Ethylene Propylene (EPM) | Rubber (Natural) | Epoxy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Hydrogen Gas** | A | A | A | - | A | - | - | A | - | B | B | A | A | - | A | - | - | - | - | - | - | - | - | - | - | A | - | - | - | - | A |
| **Hydrogen Peroxide 10%** | - | C | C | - | A | C | A | D | D | D | - | - | A | A | A | - | - | D | - | A | - | B | A | A | - | - | A | - | D | - | C | D |
| **Hydrogen Peroxide 30%** | - | - | B | - | - | B | A | - | D | - | - | - | A | - | A | - | - | D | - | - | A | C | - | - | - | A | D | - | C | - | - | B |
| **Hydrogen Peroxide** | - | A | B | A | A | B | A | D | D | D | D | C | A | C | A | B | D | D | - | B | A | C | - | A | A | A | D | C | D | C | C | A |
| **Hydrogen Sulfide, Aqueous Solution** | - | D | A | C | C | A | A | D | C | D | - | A | A | B | A | A | D | D | - | B | A | A | A | A | A | D | C | - | B | A | D | A |
| **Hydrogen Sulfide (dry)** | A | C | A | - | D | - | A | D | C | B | B | - | A | - | A | - | - | D | - | - | - | A | - | A | - | D | - | - | - | - | A | A |
| **Hydroxyacetic Acid (70%)** | - | - | - | - | D | B | - | - | - | - | - | - | A | - | - | - | D | - | - | - | - | - | A | A | - | A | A | - | A | A | - | A |
| **Ink** | A | A | A | - | C | - | - | C | - | D | D | - | - | - | - | B | A | A | - | B | - | - | A | A | A | A | A | - | A | - | - | A |
| **Iodine** | - | D | D | D | D | A | B | D | - | D | - | - | D | B | A | A | C | D | D | D | D | - | D | A | - | A | B | - | D | B | D | A |
| **Iodine (In Alcohol)** | - | - | B | - | - | D | A | - | - | - | - | - | D | - | A | C | - | D | - | - | B | - | - | A | - | A | D | - | D | - | - | - |
| **Iodoform** | B | C | A | - | A | - | - | C | - | C | B | - | - | - | A | - | - | A | - | - | - | - | - | - | - | A | - | - | - | - | - | - |
| **Isotane[2]** | - | - | - | - | A | - | - | - | - | - | - | - | - | - | - | D | A | - | - | - | D | - | - | A | - | A | A | - | - | - | D | A |
| **Isopropyl Acetate** | - | - | B | - | C | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | A | A | - | D | D | - | D | B | D | A |
| **Isopropyl Ether[2]** | A | - | A | - | A | - | - | A | - | - | A | - | - | - | A | D | A | - | - | - | D | - | A | A | - | D | B | - | D | D | D | - |
| **Jet Fuel (JP#, JP4, JP5)** | A | A | A | - | A | - | - | A | - | A | A | A | A | - | A | D | A | A | - | - | D | A | A | A | - | A | A | D | D | D | D | A |
| **Kerosene[2]** | A | A | A | A | A | A | A | A | A | A | B | A | A | D | A | D | A | A | B | D | D | A | A | A | A | A | A | D | D | A | D | A |
| **Ketones** | A | A | A | - | B | A | A | A | - | A | A | D | D | D | A | D | B | A | - | D | D | A | C | A | - | D | D | - | D | D | C | C |
| **Lacquers** | A | A | A | - | A | - | - | A | C | C | C | - | - | D | - | C | A | A | - | - | A | - | A | A | - | D | D | - | D | - | D | A |
| **Lacquer Thinners** | - | - | A | - | - | A | A | - | C | - | - | - | C | - | A | D | - | A | - | - | B | - | - | A | - | - | D | - | D | A | - | - |
| **Lactic Acid** | A | A | B | C | C | A | A | D | - | D | D | C | A | B | A | A | B | C | - | B | A | A | A | A | - | B | B | - | A | B | A | A |
| **Lard** | B | A | A | A | A | - | - | A | - | A | C | - | A | - | - | - | A | A | C | - | A | - | A | A | - | A | A | C | B | - | D | A |
| **Latex** | - | A | A | - | A | - | - | A | - | - | - | - | - | - | - | A | A | A | - | B | - | - | - | A | - | A | A | - | C | A | - | A |
| **Lead Acetate** | B | A | A | - | D | A | A | C | - | - | D | - | A | B | A | A | A | A | - | B | A | - | A | A | - | D | B | - | D | A | A | A |
| **Lead Sulfamate** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | A | - | - | - | - | A | B | C | A | D | C | A |
| **Ligroin[3]** | - | - | A | - | - | - | - | A | - | - | - | - | - | - | - | D | A | - | - | - | D | - | - | A | - | A | A | - | B | A | D | A |
| **Lime** | - | A | A | - | C | A | - | A | - | A | - | - | A | - | - | A | D | - | C | - | - | - | A | A | - | A | A | C | B | D | - | A |
| **Lubricants** | - | A | A | - | A | A | A | B | - | - | - | - | A | - | A | - | A | A | B | - | A | A | A | A | - | A | A | C | D | - | D | A |
| **Magnesium Carbonate** | - | A | A | A | - | - | B | - | - | - | - | - | A | - | - | A | A | - | - | B | A | - | - | A | - | - | A | - | A | A | - | A |
| **Magnesium Chloride** | B | B | B | A | D | A | A | B | C | D | C | - | A | B | A | A | A | A | - | B | A | A | - | A | - | A | A | - | A | A | A | A |
| **Magnesium Hydroxide** | A | A | A | - | D | A | A | C | B | B | B | A | A | - | A | A | A | A | - | B | A | A | A | A | - | A | B | - | B | - | C | A |
| **Magnesium Nitrate** | - | A | A | A | - | A | A | - | - | - | - | - | A | - | A | A | A | A | - | B | A | - | - | A | - | A | A | - | A | - | - | A |
| **Magnesium Oxide** | - | A | A | - | - | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | - | A | - | - | A | - | A | A | - | A |
| **Magnesium Sulfate** | B | B | A | - | B | A | B | B | B | C | B | - | A | B | A | A | A | A | - | B | A | A | A | A | - | A | A | - | A | D | C | A |
| **Maleic Acid** | C | A | A | A | B | A | A | C | - | - | B | - | A | B | A | A | C | A | - | - | C | - | A | A | - | A | D | - | A | D | D | A |
| **Maleic Anhydride** | - | - | - | - | - | - | A | - | - | - | - | - | - | - | - | - | C | - | - | - | - | - | A | A | - | A | D | - | D | - | D | A |
| **Malic Acid** | B | A | A | - | C | - | A | D | - | - | D | - | A | - | A | - | - | A | - | - | - | - | - | A | - | B | - | - | A | - | A | - |
| **Mash** | - | A | A | - | - | - | - | A | - | - | - | - | - | - | - | A | A | - | - | - | - | - | A | A | - | - | A | - | A | - | - | A |
| **Mayonnaise** | A | A | A | - | D | - | - | D | - | D | D | - | - | - | A | A | A | A | B | - | A | - | A | A | - | A | A | - | - | - | - | A |
| **Melamine** | - | D | D | - | - | - | - | D | - | - | - | - | - | - | - | - | D | - | - | - | - | - | A | A | - | - | C | - | - | - | - | A |
| **Mercuric Chloride (Dilute Solution)** | D | D | D | D | D | A | B | D | D | D | D | - | A | A | A | A | A | A | - | B | A | - | A | A | - | A | A | - | A | A | A | A |
| **Mercuric Cyanide** | A | A | A | - | D | A | - | D | - | - | D | - | A | - | A | A | A | - | - | B | A | - | A | A | - | - | A | - | - | - | - | A |
| **Mercury** | A | A | A | A | C | C | A | D | D | A | A | - | A | - | A | A | A | A | - | B | A | - | A | A | - | A | A | - | A | A | A | A |
| **Methanol (See Alcohol Methyl)** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **Methyl Acetate** | A | - | A | - | A | - | A | A | - | - | B | - | - | - | A | - | A | - | D | - | - | - | A | A | - | D | D | D | B | B | D | - |
| **Methyl Acrylate** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | - | - | - | - | - | A | A | - | D | D | - | B | B | D | A |

A—No effect—Excellent
B—Minor effect—Good
C—Moderate effect—Fair
D—Severe effect—Not Recommended

1. P.V.C.—Satisfactory to 72° F.
2. Polypropylene—Satisfactory to 72° F.
3. Polypropylene—Satisfactory to 120° F.
4. Buna-N—Satisfactory for "O" Rings
5. Polyacetal—Satisfactory to 72° F.
6. Ceramag—Satisfactory to 72° F.