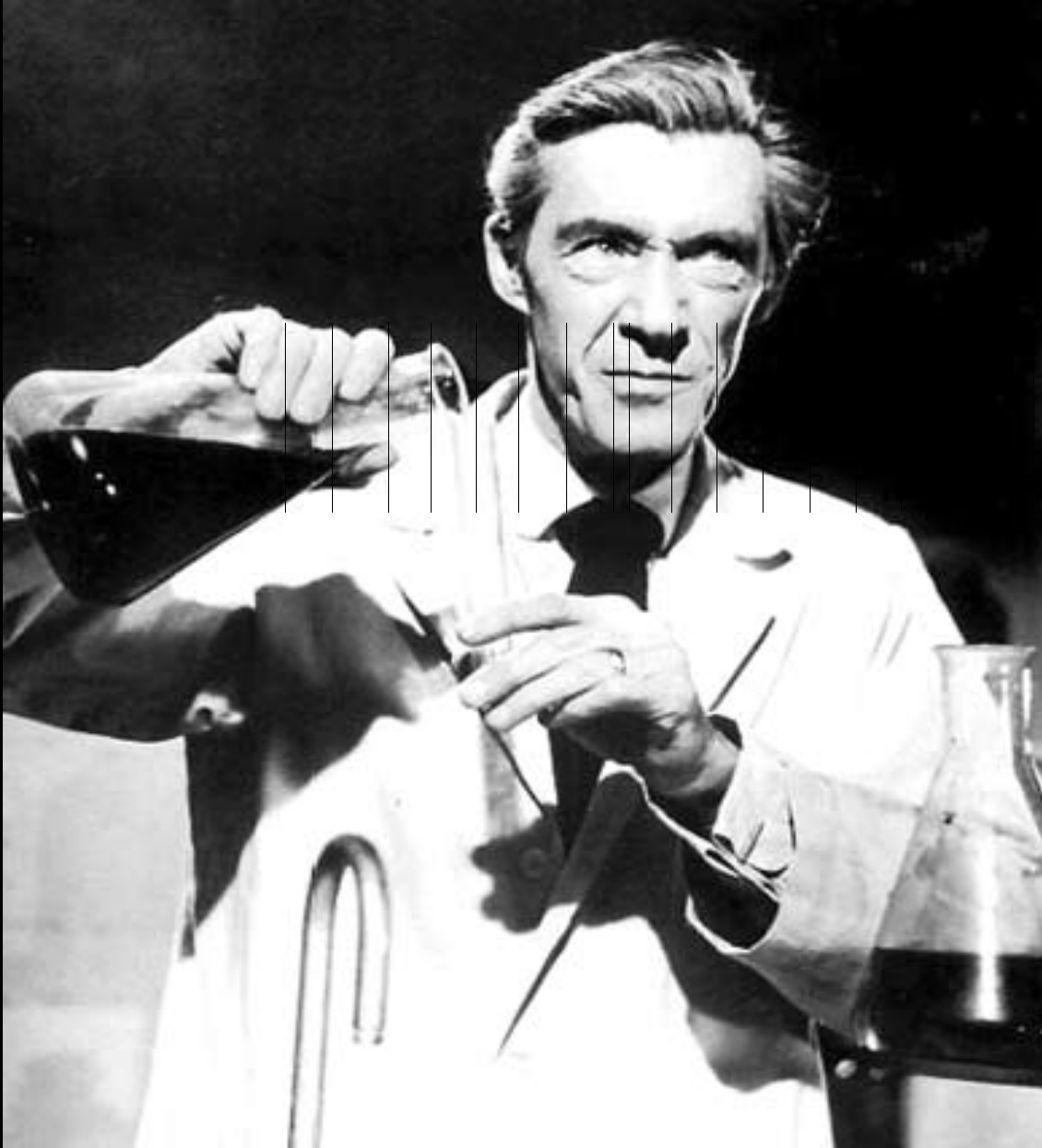


# ONYX VALVE CO



# Chemical Compatability Chart

Corrosion Chart

|                              | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|------------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                              | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Acetaldehyde                 | C                | C   | X      | A     | C       | A    | X     | C               | A           | -       | A           | A      | A       | X     | A     | A        | A     | A      |
| Acetamide                    | C                | B   | A      | A     | B       | A    | C     | C               | A           | -       | A           | A      | A       | B     | X     | -        | A     | A      |
| Acetate Solvents             | C                | X   | X      | -     | X       | C    | X     | A               | A           | A       | A           | -      | A       | A     | C     | -        | A     | A      |
| Acetic Acid 5%               | B                | A   | B      | A     | A       | A    | A     | X               | A           | A       | A           | X      | A       | A     | X     | A        | A     | A      |
| Acetic Acid 10% 1.8 BE       | B                | B   | B      | A     | B       | A    | A     | X               | A           | A       | A           | X      | A       | A     | X     | A        | A     | A      |
| Acetic Acid 20%              | B                | B   | B      | B     | B       | A    | A     | X               | A           | A       | A           | X      | A       | A     | X     | A        | B     | A      |
| Acetic Acid 30% 5.4 BE       | B                | B   | B      | B     | B       | A    | B     | X               | A           | A       | A           | X      | A       | A     | X     | A        | B     | A      |
| Acetic Acid 50% 7.9 BE       | B                | C   | C      | B     | B       | A    | C     | X               | A           | A       | A           | X      | A       | A     | X     | A        | B     | A      |
| Acetic Acid 80%              | B                | X   | C      | -     | -       | -    | C     | X               | A           | A       | A           | X      | A       | A     | C     | A        | B     | A      |
| Acetic Acid 99.55% Glacial   | B                | X   | C      | B     | C       | B    | X     | A               | A           | A       | A           | X      | B       | -     | C     | A        | B     | A      |
| Acetic Acid, Common          | B                | C   | C      | B     | B       | B    | C     | C               | A           | A       | A           | X      | B       | B     | C     | A        | A     | A      |
| Acetic Acid, Hot, High Press | X                | X   | X      | X     | C       | C    | X     | B               | B           | A       | A           | X      | C       | -     | X     | A        | -     | A      |
| Acetic Acid, Anhydride       | C                | B   | C      | B     | A       | B    | X     |                 | A           | B       | A           | X      | C       | X     | X     | A        | C     | A      |
| Acetic Aldehyde              | C                | C   | X      | A     | C       | A    | X     | C               | A           | A       |             | A      | X       |       | C     |          | A     | A      |
| Acetic Anhydride             | C                | B   | C      | B     | A       | B    | X     | X               | A           | B       |             | X      | C       | X     | X     | A        | A     | A      |
| Acetic Oxide                 | C                | B   | C      | B     | A       | B    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aceto acetic Acid            | A                | X   | X      | B     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetone                      | B                | C   | X      | A     | C       | A    | X     | A               | A           | A       | A           | A      | C       | X     | A     | A        | B     | A      |
| Acetone Cyanhydrin           | C                | B   | X      | A     | C       | X    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetonitrile                 | B                | A   | C      | B     | B       | B    | X     |                 |             |         |             |        |         | A     |       |          |       | A      |
| Aceto phenone                | C                | X   | X      | A     | X       | A    | X     |                 |             |         |             |        |         | X     |       |          |       | A      |
| Acetyl Acetic Acid           | A                | X   | X      | B     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetyl Acetone               | X                | X   | X      | A     | X       | A    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetyl Acetonic              | C                | X   | X      | B     | X       | A    | X     |                 |             |         |             |        |         | X     |       |          |       | A      |
| Acetyl Benzene               | C                | X   | X      | A     | X       | A    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetyl Chloride              | X                | X   | X      | C     | X       | C    | A     | -               | C           | B       |             | X      | -       | A     | B     | -        | X     | A      |
| Acetyl Oxide                 | C                | B   | C      | B     | A       | B    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetylene                    | B                | B   | A      | A     | B       | A    | A     | A               | A           | A       | A           | A      | X       | A     | B     | A        | A     | A      |
| 1, 2-Acetylene Di chloride   | X                | X   | X      | C     | X       | -    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetyl Tetra bromide         | X                | B   | X      | B     | -       | A    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acetyl Tetra chloride        | X                | X   | X      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acrylic Aldehyde             | B                | -   | B      | A     | B       | -    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Acrylo nitrile               | C                | X   | X      | C     | C       | X    | X     | -               | A           | A       | B           | -      | A       | A     | B     | B        | A     | A      |
| Active Amyl Alcohol          | A                | B   | A      | A     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aero Lubriplate              | X                | A   | A      | X     | A       | X    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aether Bromatis              | C                | X   | C      | C     | X       | C    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aethylum Bromatis            | C                | X   | C      | C     | X       | C    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aethylum Chloratus           | B                | B   | B      | A     | C       | B    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Agal-Agar                    | A                | B   | B      | A     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       | A      |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                           | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|---------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                           | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Agricultural Lime         | A                | A   | A      | A     | B       | A    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alcohol - Aliphatic       | A                | A   | A      | -     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alcohol - Amyl            | C                | A   | A      | -     | -       | A    | A     | C               | A           | A       | A           | A      | A       | A     | A     | A        | B     | A      |
| Alcohol - Aromatic        | C                | C   | C      | -     | -       | C    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alcohol - Benzyl          | X                | B   | X      | -     | -       | B    | A     | -               | B           | A       | A           | A      | B       | A     | C     | A        | C     | A      |
| Alcohol - Butyl           | A                | A   | A      | -     | -       | A    | A     | C               | A           | A       | A           | A      | B       | A     | A     | A        | A     | A      |
| Alcohol - Dehydrated      | A                | A   | A      | A     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alcohol - Denatured       | A                | A   | A      | A     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alcohol - Di acetone      | X                | X   | X      | -     | -       | A    | X     | A               | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| Alcohol - Ethyl           | A                | A   | A      | A     | A       | A    | B     | A               | A           | A       | A           | A      | A       | -     | A     | A        | A     | A      |
| Alcohol - Grain           | A                | A   | A      | A     | A       | A    | B     | A               | A           | A       |             | A      | A       | -     | A     | A        | A     | A      |
| Alcohol - Hexyl           | A                | B   | A      | -     | -       | A    | A     | A               | A           | A       | A           | A      | -       | A     | A     | A        | A     | A      |
| Alcohol - Iso butyl       | A                | A   | C      | -     | -       | A    | A     | A               | A           | A       | A           | A      | -       | C     | A     | A        | A     | A      |
| Alcohol - Iso propyl      | A                | B   | C      | -     | -       | A    | A     | A               | B           | A       | A           | A      | -       | B     | B     | A        | A     | A      |
| Alcohol - Methyl          | A                | A   | A      | A     | A       | A    | X     | A               | A           | A       | A           | A      | A       | A     | A     | A        | B     | A      |
| Alcohol - Octyl           | A                | B   | B      | -     | -       | A    | A     | A               | A           | A       | C           | A      | -       | -     | A     | A        | A     | A      |
| Alcohol - Propyl          | A                | A   | A      | -     | -       | A    | A     | A               | A           | A       | A           | A      | -       | A     | A     | A        | A     | A      |
| Alcohol Ether             | X                | C   | C      | A     | B       | A    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aldehyde                  | C                | C   | X      | A     | C       | A    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alkanes                   | X                | -   | A      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alicyclic Hydrocarbon     | X                | X   | B      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aliphatic Hydrocarbon     | X                | B   | A      | X     | B       | X    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aliphatic Naphtha         | X                | X   | C      | X     | B       | -    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Allomaleic Acid           | A                | B   | A      | X     | B       | -    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Allyl Alcohol             | A                | A   | A      | A     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Allyl Aldehyde            | B                | -   | B      | A     | B       | -    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Allyl Bromide             | X                | X   | X      | X     | X       | X    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Allyl Chloride            | X                | X   | X      | C     | X       | X    | B     |                 |             |         |             |        |         |       |       |          |       | A      |
| Allyl Tri chloride        | X                | -   | X      | X     | X       | -    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Almond Oil, Artificial    | X                | X   | X      | B     | X       | B    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alpha Chloro toluene      | X                | X   | X      | X     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alpha Hydroxtoluene       | X                | X   | X      | A     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       | A      |
| Alum                      | A                | A   | A      | A     | A       | A    | A     | A               | B           | B       | A           | X      | A       |       | X     | -        | A     | A      |
| Aluminum Acetate          | A                | B   | B      | A     | B       | A    | X     |                 | A           | B       | B           | X      | A       | A     | X     |          |       | A      |
| Aluminum Acetate Solution | A                | B   | B      | B     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aluminum Bromide          | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         | B     |       |          |       | A      |
| Aluminum Chloride         | A                | A   | A      | A     | A       | A    | A     | B               | B           | B       | A           | X      | A       | A     | X     | B        | A     | A      |
| Aluminum Fluoride         | B                | A   | A      | A     | A       | A    | A     | X               | X           | C       | B           | C      | B       | A     | -     | A        | B     | A      |
| Aluminum Formate          | X                | -   | X      | B     | X       | -    | X     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aluminum Hydroxide        | X                | A   | B      | A     | B       | A    | A     | A               | B           | A       | B           | A      | A       | A     | B     | B        | B     | A      |
| Aluminum Nitrate          | A                | A   | A      | A     | A       | A    | B     |                 | C           | B       | B           | B      |         | A     | X     | A        | A     | A      |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                            | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|----------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                            | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Aluminum Phosphate         | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aluminum Potassium Sulfate | A                | A   | A      | A     | A       | A    | A     | B               | B           | B       | C           | C      | A       |       | C     | A        | A     | A      |
| Aluminum Salts             | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aluminum Sodium Sulfate    | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       | A      |
| Aluminum Sulfate           | B                | A   | B      | A     | A       | A    | A     | A               | B           | B       | B           | B      | A       | A     | B     | A        | A     | A      |
| Amines                     | B                | B   | X      | B     | X       | B    | X     | B               | A           | B       | B           | X      | B       |       | B     | B        | A     | A      |
| Amino Benzene              | X                | X   | X      | B     | X       | B    | B     |                 |             |         |             |        |         |       |       |          |       |        |
| Amino Ethanol              | B                | B   | B      | A     | B       | B    | X     |                 |             |         |             |        |         |       |       |          |       |        |
| Amino Hexane               | C                | -   | C      | B     | C       | -    | X     |                 |             |         |             |        |         |       |       |          |       |        |
| Amino Methane              | A                | A   | B      | A     | -       | A    | -     |                 |             |         |             |        |         |       |       |          |       |        |
| Ammonia-Anhydrous (Liq)    | X                | A   | B      | A     | C       | A    | X     | B               | A           | B       | A           | X      | A       | A     | X     | C        | A     | A      |
| Ammonia Alum               | A                | B   | B      | B     | -       | -    | -     |                 | A           | A       | A           | C      |         | A     |       |          |       | A      |
| Ammonia Gas cold           | A                | A   | A      | A     | A       | A    | X     |                 | A           | A       | B           | X      | A       | X     | X     |          | A     | A      |
| Ammonia Water              | B                | B   | C      | A     | A       | A    | B     |                 |             |         | B           |        |         | X     |       |          |       |        |
| Amonium Acetate            | A                | A   | B      | -     | -       | A    | A     | -               | A           | A       | B           | X      | A       | A     | X     |          | -     | A      |
| Amonium Alum               | A                | B   | B      | A     |         |      |       |                 |             |         |             |        |         | A     |       |          |       | A      |
| Amonium Bicarbonate        | A                | A   | A      | A     | A       | A    | A     | C               | B           | B       |             | A      | A       | A     | B     |          | A     | A      |
| Amonium Bichromate         | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Bi fluoride 10%    | X                | X   | B      | X     |         | A    | A     | -               | B           | B       | B           | X      | -       | A     | -     | -        | A     | A      |
| Amonium Carbonate          | A                | B   | X      | A     | B       | A    | A     | B               | B           | B       | B           | X      | B       | A     | X     | A        | A     | A      |
| Amonium Chloride           | A                | B   | B      | A     | A       | A    | A     | X               | B           | B       | D           | B      | A       | A     | X     | C        | A     | A      |
| Amonium Chromic Sulfate    | A                | A   | A      | A     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Di chromate        | A                | A   | A      | A     | A       | A    |       |                 |             |         |             |        |         | A     |       |          |       |        |
| Amonium Di phosphate       | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Fluoride           | B                | B   | B      | A     |         | B    | A     | X               | C           | -       |             | C      | A       | A     | -     | A        | A     | A      |
| Amonium Fluoride Acid      | X                | X   | B      | X     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Hydrogen Fluoride  | X                | X   | B      | X     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Hydrate            | A                | A   | A      | A     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Hydroxide          | B                | B   | C      | A     | A       | A    | B     | C               | A           | A       | B           | C      | B       | A     | X     | A        | A     | A      |
| Amonium Hypo sulfite       | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Meta phosphate     | B                | B   | B      | A     | B       | A    | A     |                 |             |         |             |        |         | A     |       |          |       |        |
| Amonium Nitrate            | B                | B   | A      | A     | A       | A    | A     | X               | A           | A       | B           | A      | B       | A     | X     | A        | A     | A      |
| Amonium Nitrite            | B                | A   | B      | A     | A       | A    | X     |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Phosphate, Dibasic | A                | A   | A      | A     | A       | A    | A     | X               | C           | A       | B           | B      | B       | A     | B     | A        | A     | A      |
| Amonium Salts              | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Amonium Sulfate            | A                | A   | B      | A     | A       | A    | B     | C               | B           | B       | B           | B      | B       | A     | C     | A        | A     | A      |
| Amonium Sulfide            | A                | A   | A      | A     | A       | A    | B     | X               | B           | B       |             | A      | A       | B     | X     |          | A     | A      |
| Amonium Sulfite            | A                | A   | A      | A     | A       | A    | X     | C               | B           | A       |             | X      | B       | -     | C     | -        | A     | A      |
| Amonium Sulphate           | A                | A   | B      | A     | A       | A    | B     | C               | B           | B       |             | B      | B       | A     | C     | A        | A     | A      |
| Amyl Acetate               | C                | X   | X      | A     | C       | A    | X     | C               | A           | A       | A           |        | X       | B     | C     | A        | A     | A      |
| Amyl Alcohol               | B                | B   | B      | A     | B       | A    | C     | A               | A           | A       | A           | A      | B       | A     | A     | A        | B     | A      |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                              | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|------------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                              | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Amyl Bromide                 | X                | X   | X      | X     | X       | X    | B     |                 |             |         |             |        |         |       |       |          |       |        |
| Amyl Chloride                | X                | X   | X      | C     | X       | C    | A     | A               | B           | A       | A           | A      | X       | A     | A     | C        | A     | A      |
| Aniline                      | X                | X   | X      | B     | X       | B    | A     | C               | A           | A       | B           | A      | C       | B     | C     | A        | X     | A      |
| Aniline Dye                  | B                | B   | C      | B     | B       | B    | B     | C               | A           | A       |             | A      |         | C     | C     |          |       | A      |
| Animal Fat                   | X                | B   | A      | B     | B       | B    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Animal Gelatin               | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Animal Oil (Lard)            | X                | B   | A      | B     | C       | B    | A     | C               | A           |         |             |        |         |       | A     |          | A     | A      |
| Aromatic Hydrocarbons        | X                | X   | C      | X     | X       | X    | A     | A               | B           |         |             | A      | C       | -     | A     |          | A     | A      |
| Arsenic Acid                 | B                | B   | B      | A     | A       | A    | A     | X               | A           | A       | B           | A      | B       | A     | X     | B        | A     | A      |
| Asphalt                      | X                | B   | A      | X     | C       | X    | A     | B               | A           | A       | A           | B      | A       | A     | B     | -        | A     | A      |
| Automatic Transmission Fluid | X                | B   | A      | X     | C       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Automotive Brake Fluid       | X                | B   | C      | B     | B       | A    | X     |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Baking Soda                  | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Barium Carbonate             | A                | A   | A      | A     | A       | A    | A     | B               | B           | B       | B           | A      | B       | A     | B     | A        | A     | A      |
| Barium Chloride              | A                | A   | A      | A     | A       | A    | A     | C               | A           | B       | B           | A      | B       | A     | B     | A        | A     | A      |
| Barium Hydrate               | B                | A   | A      | A     | A       | A    | A     |                 | A           | A       |             | A      |         |       | X     |          | A     | A      |
| Barium Hydroxide             | B                | A   | A      | A     | A       | A    | A     | C               | B           | B       | B           | X      | B       | A     | B     | B        | A     | A      |
| Barium Mono hydrate          | A                | A   | A      | A     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Barium Mono sulfide          | B                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Barium Salts                 | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Barium Sulfate               | B                | A   | A      | A     | B       | A    | A     | C               | B           | B       | A           | B      | B       | A     | C     | A        | B     | A      |
| Barium Sulfide               | B                | A   | A      | A     | A       | A    | A     | C               | B           | A       |             | A      | B       | A     | C     | B        | B     | A      |
| Beer                         | A                | A   | C      | A     | A       | A    | A     | X               | A           | A       | A           | A      | B       | A     | A     | A        | A     | A      |
| Beet Sugar                   | A                | A   | A      | A     | A       | A    | A     |                 | A           | A       |             | B      | -       | A     | B     | A        | A     | A      |
| Benzene                      | X                | X   | X      | X     | X       | X    | A     | C               | B           | A       | B           | A      | X       | B     | A     | A        | C     | A      |
| Benzoic Acid                 | X                | C   | X      | B     | B       | B    | A     | X               | B           | B       | B           | B      | B       | A     | B     | A        | A     | A      |
| Benzol                       | X                | X   | X      | X     | X       | X    | A     |                 | A           | A       | B           | A      | -       | A     | -     | A        | A     | A      |
| Bicarbonate of Soda          | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Biphenyl                     | X                | X   | X      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Biphenyl Oxide               | X                | X   | X      | X     | C       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Black Liquor                 | B                | B   | B      | A     | B       | B    | A     | X               | X           | B       | X           |        |         | B     |       | X        |       | A      |
| Blast Furnace Gas            | C                | C   | C      | C     | C       | C    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Bleach Liquor                | X                | X   | X      | X     | X       | A    | A     |                 |             |         |             |        |         |       |       | A        | X     | A      |
| Bleach Solution              | X                | C   | X      | A     | A       | A    | A     |                 | A           | X       | A           | X      | A       | A     | B     | -        | X     | A      |
| Borax (Sodium Borate)        | B                | B   | B      | A     | A       | A    | A     |                 | A           | A       | B           | B      | A       | A     | -     | B        | A     | A      |
| Boric Acid                   | A                | A   | A      | A     | A       | A    | A     | X               | A           | B       | A           | A      | A       | A     | B     | A        | A     | A      |
| Brine                        | A                | A   | A      | A     | A       | A    | A     | X               | B           | B       | A           | A      | A       | A     | B     |          | A     | A      |
| Bromine                      | X                | X   | X      | X     | X       | X    | A     | X               | X           | X       | A           | X      | X       | A     | -     | X        | X     | A      |
| Bunker Oil                   | X                | C   | A      | X     | X       | X    | A     | B               | A           | A       |             | A      | X       |       | B     |          | A     | A      |
| Butane                       | X                | A   | A      | X     | B       | X    | A     | B               | A           | A       | A           | A      | -       | A     | -     | A        | A     | A      |
| Butyl Acetate                | X                | X   | X      | B     | C       | B    | X     | -               | B           | A       | B           | A      | X       | B     | B     | A        | B     | A      |
| Butyric Acid                 | -                | X   | X      | X     | X       | B    | X     | X               | B           | B       | A           | A      | X       | A     | -     | A        | A     | A      |

Corrosion Chart

|                                  | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|----------------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                                  | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Cadium Acetate                   | X                | -   | X      | A     | A       |      | X     |                 |             |         |             |        |         |       |       |          |       |        |
| Cadium Cyanide                   |                  | A   |        |       |         |      | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Calamine                         | B                | B   | B      | A     | A       |      | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Calcined Magnesia                |                  | A   |        |       |         |      | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Calcium Acetate                  | B                | B   | B      | A     | B       | A    | X     |                 |             |         |             |        | A       |       |       |          |       |        |
| Calcium Bichromate               |                  |     |        | A     | C       |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Calcium Bisulfate                | A                | A   | A      | A     | A       | A    | A     |                 | A           | -       |             | -      | A       |       |       |          | A     | A      |
| Calcium Bisulphite               | C                | A   | A      | C     | A       | X    | A     | D               | A           | B       | B           | X      | A       | A     | C     | A        | A     | A      |
| Calcium Carbonate                | A                | A   | A      | A     | A       | A    | A     | X               | B           | B       | B           | A      | A       | A     | A     | B        | A     | A      |
| Calcium Chlorate                 | B                | A   | A      | B     | A       | B    | A     |                 | B           | B       |             | X      | A       | A     | X     |          | A     | A      |
| Calcium Chloride                 | A                | A   | A      | A     | A       | A    | A     | C               | B           | B       | A           | X      | A       | A     | A     | A        | A     | A      |
| Calcium Cyanide                  | A                | A   | A      | A     | A       | A    |       |                 |             |         |             |        |         |       |       |          |       |        |
| Calcium Hydrate                  | A                | A   | A      | A     | B       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Calcium Hydroxide (Caustic Lime) | A                | A   | A      | A     | A       | A    | B     | C               | B           | B       | A           | X      | A       | A     | X     | A        | A     | A      |
| Calcium Hypochloride             | X                | X   | X      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Calcium Hypochlorite             | C                | X   | C      | B     | A       | A    | A     | X               | B           | C       | B           | X      | A       | A     | X     | A        | A     | A      |
| Calcium Nitrate                  | A                | A   | B      | A     | A       | A    | A     |                 | B           | -       | B           | X      | B       | A     | B     | B        | A     | A      |
| Calcium Oxide                    | A                | A   | A      | A     | A       | A    |       |                 | A           | A       | A           | A      | -       | A     | X     | A        | A     | A      |
| Calcium Phosphate                | A                | B   | A      | A     | A       | A    | A     |                 | B           | B       |             | B      | A       | A     | C     |          | A     | A      |
| Calcium Silicate                 | A                | A   | A      | A     | A       | A    | A     |                 | B           | B       |             | A      |         |       | C     |          | A     | A      |
| Calcium Sulfate                  | A                | A   | A      | A     | A       | A    | A     | C               | B           | B       | B           | X      | A       | A     | B     | A        | A     | A      |
| Calcium Sulfite                  | B                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Cane Sugar                       | A                | A   | A      | A     | A       | A    | A     |                 | A           | A       |             | A      | -       | A     | A     | -        | A     | A      |
| Cane Sugar Liquor                | A                | A   | A      | A     | A       | A    | A     |                 | A           | A       |             | A      |         | A     |       |          | A     | A      |
| Carbolic Acid                    | X                | X   | X      | B     | C       | X    | A     |                 | B           | C       | A           | X      | -       | A     | X     | A        | C     | A      |
| Carbon Bisulfide                 | X                | X   | X      | X     | X       | X    | A     | B               | B           | B       |             | A      | -       | -     | B     | -        | A     | A      |
| Carbon Dioxide                   | B                | B   | A      | B     | A       | B    | A     | A               | A           | A       | A           | A      | -       | A     | B     | A        | A     | A      |
| Carbon Monoxide                  | B                | B   | A      | A     | A       | A    | A     |                 | A           | B       | B           | A      | -       | B     | A     | -        | A     | A      |
| Carbon Tetra chloride            | X                | X   | C      | X     | X       | X    | A     | X               | B           | B       | A           | B      | C       | A     | A     | A        | A     | A      |
| Carbonic Acid                    | A                | A   | B      | A     | A       | A    | A     |                 | A           | A       | A           | B      | B       | A     | X     | B        | A     | A      |
| Carboxy Benzine                  | A                | B   |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Carboxy Methyl Chloride          | X                | X   | X      | B     | X       | B    | X     |                 |             |         |             |        |         |       |       |          |       |        |
| Cassein                          | A                | A   | A      |       | A       | A    | A     |                 | B           | B       |             | A      |         | A     | C     |          | A     | A      |
| Castor Oil                       | B                | A   | A      | B     | A       | B    | A     | B               | A           | A       |             | A      | A       | A     | A     |          | A     | A      |
| Caustic Baryta                   | B                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Caustic Lime                     | A                | A   | A      | A     | A       | A    | B     | C               | B           | B       |             | X      | A       | A     | X     | A        | A     | A      |
| Caustic Potash                   | B                | B   | C      | A     | A       | B    | C     |                 | A           | A       |             | X      |         |       |       |          | A     | A      |
| Caustic Soda                     | A                | B   | C      | A     | B       | A    | B     | B               | A           | A       |             | X      |         |       |       |          | A     | A      |
| Chlorinated Hydro carbons        | X                | X   | X      |       | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chlorine (Dry)                   | X                | C   | X      | X     | C       | B    | A     | B               | B           | A       |             | X      | X       |       | C     |          | A     | A      |
| Chlorine (Wet)                   | X                | X   | X      | C     | C       | C    | A     |                 | C           | A       | X           | X      | C       | B     | X     | A        | A     | A      |
| Chlorine Dioxide                 | X                | X   | X      | C     | C       | C    | A     |                 |             |         |             |        |         | B     |       |          |       |        |
| Chlorine Peroxide                | X                | X   | X      | C     | C       | C    | A     |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                          | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|--------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                          | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Chlorine Water 3%        | B                | C   | B      | C     | B       |      | A     |                 |             |         | A           |        |         | A     |       |          |       |        |
| Chlorine Water Saturated | X                | X   | C      | X     | B       | C    | A     | X               | C           | A       | D           | X      | C       | A     | X     | A        | A     | A      |
| Chloro Acetic Acid       | C                | C   | X      | C     | B       | C    | C     | X               | A           | B       | A           | X      | A       | X     | X     | A        | C     | A      |
| Chloro Acetone           | X                | C   | X      | B     | C       | B    | X     |                 |             |         |             |        |         | B     |       |          |       |        |
| Chloro Aceto Nitrile     | C                | C   | C      | C     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Azotic Acid       | X                | X   | X      | C     | B       | C    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Benzene           | X                | X   | X      | X     | X       | X    | A     | B               | B           | A       | A           | X      | X       | A     | B     | B        | C     | A      |
| Chloro Butadiene         | X                | X   | X      | X     | C       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Ethane            | B                | B   | B      | A     | C       | B    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Ethanol           | B                | B   | X      | A     | B       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Ethyl Alcohol     | B                | B   | X      | A     | B       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Prene             | X                | X   | X      | X     | C       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chloro Sulfonic Acid     | X                | X   | X      | X     | X       | X    | X     | B               | B           | X       | A           | X      | X       | X     | B     | A        | C     | A      |
| Chloro Toluene           | X                | X   | X      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chlorox                  | X                | B   | B      | B     | B       | B    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Chrome Alum              | A                | A   | A      | A     | A       | A    | A     | B               | A           | A       |             | B      | A       | A     | C     |          | A     | A      |
| Chromic Acid             | X                | X   | X      | C     | C       | B    | A     | X               | B           | X       | B           | X      | A       | A     | X     | A        | X     | A      |
| Citric Acid              | B                | A   | B      | A     | C       | A    | A     | X               | A           | B       | A           | B      | A       | A     | X     | A        | A     | A      |
| Citric Acid-Ammoniated   | A                | B   | B      | A     | -       | -    | -     |                 |             |         |             |        |         |       |       |          |       |        |
| Coagulant (polymer)      | X                | X   | B      | X     | X       | X    | A     |                 | A           |         |             | X      | A       | A     |       |          | A     | A      |
| Coal Oil                 | X                | B   | A      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Coal Tar-Bituminous      | X                | C   | C      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Coal Tar-Creosote        | X                | B   | A      | X     | B       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Coal Tar Naphta          | X                | X   | C      | X     | X       | X    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Coconut Oil              | X                | B   | A      | B     | B       | B    | A     | C               | B           | A       |             | A      | A       | A     | B     |          | A     | A      |
| Cod Liver Oil            | X                | B   | B      | A     | B       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Coffee                   | A                | A   | A      | A     | A       | A    | A     |                 | A           | A       |             | A      | A       | A     |       |          | A     | A      |
| Coke Oven Gas            | C                | C   | C      | C     | B       | X    | A     | B               | A           | A       |             | X      |         |       | C     |          | A     | A      |
| Copper Acetate           | A                | B   | B      | A     | C       | A    | X     | X               | A           | A       | B           | X      |         | A     | X     |          | A     | A      |
| Copper Chloride          | B                | B   | A      | A     | A       | A    | A     |                 | X           | X       |             | A      | -       | A     | -     | X        | A     | A      |
| Copper Cyanide           | A                | B   | A      | A     | B       | A    | A     |                 | B           | B       | A           | A      | A       | A     | X     | B        | B     | A      |
| Copper Hydrate           | C                | -   | B      | A     | B       | C    | C     |                 |             |         |             |        |         |       |       |          |       |        |
| Copper Nitrate           | C                | A   | A      | A     | A       | A    | A     | X               | A           | A       | B           | A      | A       | A     | X     | B        | A     | A      |
| Copper Salts             | A                | A   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Copper Sulfate           | B                | A   | A      | B     | A       | A    | A     | X               | X           | B       | A           | X      | A       | A     | X     | A        | A     | A      |
| Corn Oil                 | X                | C   | A      | B     | B       | C    | A     | C               | B           | B       |             | A      | A       | A     | B     |          | A     | A      |
| Corn Syrup (Sugar)       | B                | B   | B      | A     | A       | A    | A     |                 |             |         |             |        |         | A     |       |          |       |        |
| Cottonseed Oil           | X                | B   | A      | C     | B       | B    | A     | C               | B           | B       |             | A      | A       | A     | B     |          | A     | A      |
| Cresote                  | X                | C   | B      | X     | C       | X    | A     | B               | B           | B       |             | X      | X       | B     | B     |          | A     | A      |
| Creosote-Coal Tar        | X                | B   | A      | X     | C       | X    | A     | B               | B           | A       | B           | X      | X       |       | B     |          |       |        |
| Crude Petroleum Oil      | X                | B   | A      | X     | C       | X    | A     | B               | A           | A       | A           | B      |         | A     | C     | A        | A     | A      |
| Cyanide                  |                  |     | B      |       |         | B    | B     | X               | B           | B       |             | X      |         |       | X     |          | A     | A      |
| Cyanic Acid              | A                | C   | C      | A     | A       | A    | A     |                 | A           | X       |             | X      |         |       |       |          | A     | A      |

Corrosion Chart

|                         | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |   |
|-------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|---|
|                         | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |   |
| Deionized Water         | A                | A   | B      | A     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |
| Detergents              | B                | B   | A      | A     | B       | A    | A     |                 | A           | A       | B           | A      | A       | A     | B     | A        | A     | A      |   |
| Di acetone Alcohol      | B                | X   | X      | A     | A       | A    | X     |                 | B           |         |             |        | A       | X     | A     |          | A     | A      |   |
| Di chloro Benzene       | X                | X   | X      | X     | X       | X    | B     |                 | B           |         | A           |        |         | A     |       |          | A     | A      |   |
| Di chloro Ethane        | X                | X   | X      | C     | X       |      | B     |                 | B           | B       | A           | X      | C       | A     | B     | B        | X     | A      |   |
| Diesel Fuel             | X                | B   | A      | X     | B       | X    | A     |                 | A           | A       | B           | A      | X       | A     | A     | B        | A     | A      |   |
| Diethylamine            | B                | B   | B      | A     | C       | B    | X     |                 | A           | A       | A           | B      | X       | X     | A     | A        | A     | A      |   |
| Diethylene Glycol       | A                | A   | A      | A     | C       | A    | A     |                 | A           | A       | B           | A      | A       | A     | B     | A        | C     | A      |   |
| Diphenyl                | X                | X   | X      | X     | X       | X    | A     |                 | B           |         | B           |        |         |       | B     | B        | A     | A      |   |
| Diphenyl Oxide          | X                | X   | X      | X     | X       | X    | A     |                 | A           | A       | B           | X      |         | B     |       | A        | A     | A      |   |
|                         |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |
|                         |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |
| Epoxy Resin             |                  | A   |        | A     |         | A    | X     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Epsom Salts             | A                | B   | A      | A     | A       | A    | A     |                 | B           | C       |             | B      |         | A     | A     | A        | A     | A      |   |
| Ethane                  | X                | B   | A      |       | B       | X    | A     |                 | A           | A       | A           | A      |         | A     |       |          | A     | A      |   |
| Ethanol                 | A                | A   | C      |       | A       | A    | A     |                 | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |   |
| Ethyl Acetate           | C                | X   | X      |       | X       | B    | X     |                 | B           | B       | A           | A      | A       | X     | B     | A        | A     | A      |   |
| Ethyl Acrylate          | X                | X   | X      | B     | X       | B    | X     |                 | C           | A       | B           | A      | B       | -     | X     | B        |       | A      | A |
| Ethyl Acrylic Acid      | X                | B   | X      | B     | X       | B    |       |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Alcohol (Ethanol) | A                | A   | A      | A     | A       | A    | B     |                 |             |         |             |        |         | A     |       |          |       |        |   |
| Ethyl Benzene           | X                | X   | X      | X     | X       | X    | A     |                 | B           | A       | A           | A      |         | B     |       |          | A     | A      |   |
| Ethyl Benzoate          | X                | X   | X      | B     | X       | B    | A     |                 |             |         |             |        | B       | X     |       |          | A     | A      |   |
| Ethyl Bromide           | C                | X   | C      | C     | X       | C    | A     |                 | B           | B       |             | A      |         |       | A     |          | A     | A      |   |
| Ethyl Butanol           | A                |     | A      | A     | A       |      | B     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Chloride          | B                | C   | B      | A     | X       | B    | A     |                 | C           | A       | A           | B      | A       | C     | A     | A        | X     | A      |   |
| Ethyl Cyanide           | A                | B   | X      | A     |         | A    | X     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Diacetate         | B                | X   | X      | B     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Dichloride        | X                | X   | X      | C     | X       | C    | B     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Hexanol           | A                | B   | B      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Hydrate           | A                | A   | A      | A     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Hydroxide         | A                | B   | B      | A     |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Methyl Ketone     | X                | X   | X      | B     | X       | A    | X     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethyl Silicate          | B                | A   | A      | A     | A       | A    | A     |                 | B           | B       |             | A      |         |       | B     |          | A     | A      |   |
| Ethylene                |                  |     | B      |       | A       | C    | A     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethylene Acetate        | C                | X   | C      | A     | X       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |   |
| Ethylene Bromide        | X                | X   | X      | C     | X       | C    | B     |                 | A           |         | B           |        |         | A     |       | B        | A     | A      |   |
| Ethylene Chloride       | X                | X   | X      | C     | X       | X    | B     |                 | B           | B       | B           | A      | C       | A     |       | B        | X     | A      |   |
| Ethylene Dichloride     | X                | X   | X      | C     | X       | C    | B     |                 | B           | C       | B           | B      | X       | A     | B     | B        | X     | A      |   |
| Ethylene Glycol         | A                | A   | A      | A     | A       | A    | A     |                 | B           | B       | A           | B      | B       | A     | A     | B        | A     | A      |   |
| Ethylene Oxide          | X                | X   | X      | C     | X       | C    | X     |                 | C           | B       | A           | A      | X       | B     | A     | X        | X     | A      |   |
|                         |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |
|                         |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |   |



Corrosion Chart

|                      | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|----------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                      | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Fatty Acids          | C                | C   | B      | X     | X       | X    | A     | X               | A           | C       | A           | A      | A       | A     | C     | B        | A     | A      |
| Ferric Acetate       | X                | -   | X      | A     | A       | -    | X     |                 |             |         |             |        |         |       |       |          |       |        |
| Ferric Bromide       | A                | -   | A      | A     | A       | -    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Ferric Chloride      | A                | B   | A      | A     | B       | A    | A     | X               | X           | X       | B           | X      | X       | A     | X     | A        | A     | A      |
| Ferric Sulfate       | A                | A   | A      | A     | A       | A    | A     | X               | A           | X       | A           | X      | A       | A     | X     | A        | A     | A      |
| Ferrous Chloride     | A                | B   | A      | A     | B       | A    | A     | X               | X           | C       | B           | X      | A       | A     | X     | A        | A     | A      |
| Ferrous Nitrate      | A                | B   | A      | B     | B       | B    | -     | X               | C           | A       | B           | A      | A       | A     | X     |          |       |        |
| Ferrous Sulfate      | B                | A   | A      | A     | B       | A    | B     | X               | B           | X       | B           | X      | A       | A     | B     | A        | A     | A      |
| Flaxseed Oil         | X                | B   | A      | A     | B       | B    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Flocculant (Polymer) | X                | X   | B      | X     | X       | X    | A     |                 | A           |         |             | X      | A       | A     |       |          | A     | A      |
| Fluorine (Liquid)    | X                | C   | X      | C     | X       | C    | B     |                 | A           | X       | B           | X      | X       | X     | A     | X        | A     | A      |
| Fluoro Lube          | X                | A   | B      | B     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       |        |
| Formaldehyde         | C                | C   | C      | A     | C       | B    | X     | A               | A           | A       | B           | A      | A       | A     | B     | A        | A     | A      |
| Formalin             | B                | B   | A      | A     | A       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Formic Acid          | C                | A   | C      | A     | B       | A    | C     | X               | A           | C       | A           | A      | A       | A     | X     | C        | C     | A      |
| Fruit Juice          | X                | A   | A      |       | B       |      | A     | X               | A           | C       | A           | X      | A       | A     | X     | A        | A     | A      |
| Fuel Oil             | X                | B   | X      | X     | C       | X    | A     | B               | A           | A       | A           | A      | C       | B     | B     | A        | A     | A      |
| Furfural             | X                | X   | X      | A     | B       | X    | X     | A               | B           | A       | B           | A      | A       | B     | A     | A        | A     | A      |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Gallic Acid          | A                | C   | X      | B     | B       | B    | A     | X               | B           | A       | B           | A      | A       | A     | B     | B        | A     | A      |
| Gasoline             | X                | B   | A      | X     | X       | X    | A     | A               | A           | A       | A           | A      | B       | A     | A     | A        | A     | A      |
| Gelatin              | A                | A   | A      | A     | A       | A    | A     | X               | A           | A       | A           | B      | A       | A     | X     | A        | B     | A      |
| Glucose              | A                | A   | A      | A     | A       | A    | A     | B               | A           | A       | A           | A      | A       | A     | A     | A        | B     | A      |
| Glue (Animal)        | B                | A   | A      | B     | A       | B    | A     | A               | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| Glycerin             | A                | A   | A      | A     | A       | A    | A     | C               | A           | A       | A           | A      | A       | A     | B     | A        | A     | A      |
| Glycerol             | A                | A   | A      | A     | A       | A    | A     | C               | A           | A       | A           | A      | A       | A     | B     | A        | A     | A      |
| Glycol               | A                | A   | A      | A     | A       | A    | A     | C               | B           | A       |             | C      | A       |       | B     |          | A     | A      |
| Grain Alcohol        | A                | A   | A      | A     | A       | A    | B     |                 |             |         |             |        |         |       |       |          |       |        |
| Grease               | X                | B   | A      | X     | C       | X    | A     | A               | A           | A       | A           | X      |         | A     | A     |          | A     | A      |
| Green Liquor         | B                | B   | B      | A     | B       | A    | A     |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                      |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                              | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|------------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                              | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Heptane                      | X                | B   | A      | X     | B       | X    | A     | B               | A           | A       | A           | A      | B       | A     | A     | A        | A     | A      |
| Hexane                       | X                | B   | A      | X     | B       | X    | A     | B               | A           | A       | A           | A      | C       | A     | A     | A        | A     | A      |
| Hydraulic Oil                | X                | B   | A      | X     | B       | X    | A     | A               | A           | A       | A           | B      | A       | A     | A     | A        | A     | A      |
| Hydrazine                    | X                | C   | C      | A     | C       | A    | X     | X               | A           | X       | X           | B      | X       | A     | X     | X        | A     | A      |
| Hydrobromic Acid 20%         | A                | X   | X      | X     | A       | A    | A     | X               | X           | C       | A           | C      | X       | A     | X     | A        | A     | A      |
| Hydrobromic Acid             | A                | X   | X      | X     | A       | A    | A     | X               | X           | X       | C           | X      | X       | A     | X     | A        | B     | A      |
| Hydrochloric Acid 20%        | A                | B   | B      | A     | A       | A    | A     | X               | X           | X       | A           | C      | A       | A     | X     | X        | X     | A      |
| Hydrochloric Acid 100%       | X                | X   | X      | B     | C       | C    | A     | X               | X           | X       | A           | C      | X       | A     | X     | X        | X     | A      |
| Hydrocyanic Acid             | B                | B   | B      | A     | A       | B    | A     | X               | A           | X       | A           | B      | A       | A     | X     | B        | A     | A      |
| Hydrofluoric Acid 20%        | B                | B   | X      | A     | A       | A    | A     | X               | X           | X       | B           | X      | A       | A     | X     | X        | A     | A      |
| Hydrofluoric Acid 100%       | X                | X   | X      | C     | B       | X    | B     | X               | B           | X       | B           | X      | X       | A     | X     | X        | X     | A      |
| Hydrofluorosilicic Acid 20%  | A                | B   | A      | A     | B       | A    | A     | X               | B           | X       | B           | B      | B       | A     | A     | X        | C     | A      |
| Hydrofluorosilicic Acid 100% | A                | B   | B      | A     | B       | A    | A     | X               | X           | X       | B           | A      | C       | A     | A     | X        | C     | A      |
| Hydrogen Peroxide 10%        | X                | C   | C      | C     | B       | B    | A     | X               | B           | C       | A           | X      | A       | A     | X     | A        | C     | A      |
| Hydrogen Peroxide 30%        | X                | X   | X      | C     | X       | B    | A     | X               | B           | B       | A           | X      | A       | A     | X     | B        | C     | A      |
| Hydrogen Peroxide            | X                | X   | X      | X     | X       | X    | A     | X               | A           | X       | A           | X      | A       | C     | X     | B        | A     | A      |
| Hydrogen Sulfide (Aq sol)    | C                | A   | X      | A     | X       | B    | X     | C               | A           | X       | A           | C      | A       | A     | X     | B        | A     | A      |
| Hydroxyacetic Acid           | X                | A   | A      | B     | -       | A    | A     |                 |             | X       |             | A      |         | A     |       | A        | A     | A      |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Ink                          | X                | A   | A      |       |         |      | A     | X               | C           | X       |             | B      | A       | A     | C     | A        | A     | A      |
| Iodine                       | X                | X   | B      | C     | A       | B    | A     |                 | X           | X       | A           | X      | B       | A     |       | A        | C     | A      |
| Isopropyl Acetate            | X                | X   | X      | B     | X       | B    | X     |                 | A           | B       | B           | X      | B       | X     |       |          | A     | A      |
| Isopropyl Ether              | X                | X   | B      | X     | C       | X    | X     |                 | A           | A       | A           | X      | X       | X     | A     |          | X     | A      |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Kerosene                     | X                | A   | A      | X     | X       | X    | A     | B               | A           | A       | B           | A      | B       | A     | A     | A        | A     | A      |
| Ketones: Aliphatic Saturated | B                | C   | A      | A     | B       | A    | X     | A               | A           | A       | A           | X      | X       | C     | A     | A        | C     | A      |
| Ketones, Aromatic            | C                | X   | X      | A     | X       | A    | X     | A               | A           | A       | A           | X      | X       | C     | A     | A        | C     | A      |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                            | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|----------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                            | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Lacquer                    | X                | X   | X      | X     | X       | X    | X     |                 | A           | A       | A           | X      | X       | X     |       |          | A     | A      |
| Lacquer Thinner            | X                | X   | X      | X     | X       | X    | X     |                 | A           | A       | A           | X      | X       |       | A     | C        | A     | A      |
| Lactic Acid                | A                | A   | A      | A     | A       | A    | A     | X               | B           | X       | B           | B      | A       | B     | X     | A        | B     | A      |
| Lard                       | X                | B   | A      | X     | C       | C    | A     | C               | A           | A       | A           | A      | A       | A     | A     | A        | B     | A      |
| Latex                      | C                | C   | A      |       | C       | A    | A     |                 | A           | A       | A           | B      |         | A     |       |          | A     | A      |
| Lead Acetate               | B                | B   | B      | A     | C       | A    | X     | X               | B           | A       | B           | B      | A       | A     | C     | A        | A     | A      |
| Lead Nitrate               | A                | A   | A      | A     | B       | A    | A     |                 | B           |         | B           |        | A       | A     | B     |          | A     | A      |
| Lead Sulfamate             | B                | A   | B      | A     | A       | A    | A     |                 | C           |         |             | A      |         | A     |       |          | A     | A      |
| Lime                       | A                | A   | A      | A     | A       | A    | A     |                 | A           | A       |             | B      | A       | A     |       | A        | A     | A      |
| Lime-Agricultural          | A                | A   | A      | A     | B       | A    | A     |                 | A           | A       |             | B      | A       | A     |       | A        | A     | A      |
| Lime-Caustic               | A                | A   | A      | A     | A       | A    | B     |                 | A           | A       |             | B      | A       | A     |       | A        | A     | A      |
| Linoleic Acid              | X                | X   | B      | X     | X       | X    | B     | B               | A           | A       |             | B      |         | A     | B     |          | A     | A      |
| Lithium Chloride           | B                | A   | A      |       |         | A    | A     |                 | A           | A       |             | A      | X       | A     | B     |          | A     | A      |
| Liquor, Black              | B                | B   | B      | A     | B       | B    | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Liquor, Bleach             |                  | X   |        |       |         |      | A     |                 |             |         |             |        |         |       |       |          |       |        |
| Lye, KOH                   | B                | B   | B      | A     | A       | A    | B     |                 | A           | B       | B           | A      | B       | A     | X     | X        | A     | A      |
| Lye, NaOH                  | A                | B   | A      | A     | A       | B    | B     |                 | B           | X       | C           | C      | B       | X     | X     | B        | A     | A      |
| Lye, Ca(OH)2               | B                | A   | A      | A     | A       | A    | B     |                 | B           | B       | A           | X      | B       | A     | X     | A        | A     | A      |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Magnesium Carbonate        | A                | A   | A      | A     | A       | B    | A     |                 | A           | A       | B           | A      | A       | A     | B     |          | A     | A      |
| Magnesium Chloride         | A                | A   | A      | A     | A       | A    | A     | C               | X           | C       | A           | B      | A       | A     | X     | A        | A     | A      |
| Magnesium Hydroxide        | B                | B   | B      | A     | A       | A    | A     | B               | A           | A       | A           | A      | B       | A     | X     | A        | A     | A      |
| Magnesium Nitrate          | A                | B   | A      | B     | A       | B    | A     |                 | B           | X       | A           | A      | B       | A     | B     | A        | A     | A      |
| Magnesium Oxide            |                  | A   | A      |       |         |      | A     |                 | A           | A       |             | A      |         |       |       |          | A     | A      |
| Magnesium Sulfate          | B                | A   | A      | A     | A       | A    | A     | B               | B           | C       | B           | B      | A       | A     | A     | A        | A     | A      |
| Maleic Acid                | C                | B   | X      | C     | X       | X    | A     | B               | B           | A       | B           | A      | A       | A     | B     | A        | A     | A      |
| Maleic Anhydride           | X                | X   | X      | X     | X       | X    | A     |                 | A           | B       |             | X      | A       | A     | B     |          | A     | A      |
| Malic Acid                 | A                | B   | A      | X     | B       | X    | A     |                 | A           | A       | B           | A      |         | A     | B     | A        | A     | A      |
| Manganese Sulfate          | B                | A   | A      | A     | A       | A    | A     |                 | B           | C       | A           | A      |         | A     | X     | A        | A     | A      |
| Mash                       |                  | A   | A      |       |         | A    | A     |                 | A           | A       |             | A      |         |       |       |          | A     | A      |
| Mayonnaise                 | X                | A   | C      |       |         |      | A     | X               | A           | X       | A           | A      |         | A     | X     |          | A     | A      |
| Melamine                   |                  | X   | C      |       |         | A    | A     |                 | X           | X       |             | A      |         |       |       |          | A     | A      |
| Mercuric Chloride (Dilute) | B                | A   | A      | B     | A       | B    | A     | X               | X           | X       | C           | B      | A       | A     | X     | A        | A     | A      |
| Mercuric Cyanide           | B                | B   | A      | B     | A       | B    | A     | X               | C           | A       | A           |        | A       | A     | X     | A        | A     | A      |
| Mercury                    | B                | A   | A      | B     | A       | A    | A     | A               | A           | X       | A           | A      | A       | A     | X     | A        | A     | A      |
| Methanol                   | B                | B   | B      | A     | B       | A    | B     |                 | A           | A       | A           | A      | A       | A     | A     | B        | B     | A      |
| Methyl Acetate             | X                | C   | X      | B     | X       | B    | X     | B               | B           | A       | A           | B      | C       | B     | A     |          | X     | A      |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                            |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                               | RUBBER COMPOUNDS |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|-------------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                               | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Methyl Acetone                | C                | X   | X      | B     | X       | A    | X     | A               | A           | B       |             | X      |         | X     | A     |          | C     | A      |
| Methyl Acrylate               | X                | B   | X      | B     | X       | B    | X     |                 |             |         |             | B      |         | B     |       |          | A     | A      |
| Methyl Alcohol (10%)          | A                | A   | A      | A     | A       | A    | C     |                 | A           | A       | A           | A      | A       | A     | A     | B        | B     | A      |
| Methyl Bromide                | X                | X   | C      | C     | X       | X    | A     |                 | A           | A       |             | X      | X       | A     | C     |          | B     | A      |
| Methyl Butyl Ketone           | X                | X   | X      | B     | X       | A    | X     |                 | A           | A       |             | X      |         | X     |       |          | C     | A      |
| Methyl Cellosolve             | X                | C   | C      | A     | X       | B    | X     | B               | B           | A       | B           | X      |         | A     | A     |          | C     | A      |
| Methyl Chloride               | X                | X   | X      | C     | X       | X    | A     | B               | B           | A       | C           | B      | B       | X     | A     | A        | A     | A      |
| Methyl Dichloride             |                  |     | X      |       |         | X    | A     |                 |             |         |             | X      |         | X     |       |          | A     | A      |
| Methyl Ethyl Ketone (MEK)     | X                | X   | X      | B     | X       | A    | X     | A               | A           | A       | A           | C      | X       | X     | A     | A        | X     | A      |
| Methyl Isobutyl Ketone (MIBK) | X                | X   | X      | B     | X       | B    | X     | A               | A           | B       | C           | A      | A       | X     | X     | A        | C     | A      |
| Methyl Isopropyl Ketone       | X                | X   | X      | B     | X       | C    | X     |                 | A           |         |             |        |         |       |       |          | A     | A      |
| Methyl Methacrylate           | X                | X   | X      | X     | X       | X    | X     |                 | B           |         |             | X      |         | B     |       |          | A     | A      |
| Methylamine                   | B                | A   | B      | A     |         | A    | X     | B               | A           | X       |             | X      |         | C     | X     |          | A     | A      |
| Methylene Chloride            | X                | X   | X      | X     | X       | C    | B     |                 | B           | A       | B           | B      | X       | B     | A     | B        | A     | A      |
| Milk                          | B                | A   | A      | A     | A       | A    | A     | X               | A           | C       | A           | A      | X       | A     | X     | A        | A     | A      |
| Mineral Spirits               | X                | C   | A      | X     | C       | X    | A     | B               | A           | C       | B           | A      | X       | A     | B     | B        | A     | A      |
| Molasses                      | B                | B   | A      | A     | A       | A    | A     | C               | A           | X       | A           | A      | A       | B     | B     | A        | A     | A      |
| Mustard                       | B                | A   | B      |       |         | A    | X     | B               | A           | X       | A           | C      |         | A     | B     | A        | A     | A      |
|                               |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Naptha                        | X                | C   | B      | X     | C       | X    | A     | B               | A           | B       | B           | X      | X       | A     | A     | B        | A     | A      |
| Napthalene                    | X                | X   | X      | X     | X       | X    | A     | B               | A           | C       | A           | X      | B       | A     | B     | A        | A     | A      |
| Nickel Chloride               | A                | B   | A      | A     | A       | A    | A     | X               | C           | X       | B           | A      | B       | A     | X     | A        | A     | A      |
| Nickel Nitrate                | A                | B   | A      | A     | X       | B    | A     | X               | B           | A       | B           |        | B       | A     | B     |          | A     | A      |
| Nickel Sulfate                | B                | A   | A      | A     | A       | A    | A     | X               | B           | C       | B           | A      | B       | A     | X     | B        | A     | A      |
| Nitric Acid (10%)             | X                | B   | X      | B     | B       | A    | A     | X               | A           | X       | A           | X      | A       | A     | X     | A        | A     | A      |
| Nitric Acid (20%)             | X                | X   | X      | B     | X       | A    | A     | X               | A           | X       | A           | X      | B       | A     | X     | A        | B     | A      |
| Nitric Acid (50%)             | X                | X   | X      | B     | X       | X    | A     | X               | A           | X       | A           | X      | X       | A     | X     | A        | X     | A      |
| Nitric Acid (Concentrated)    | X                | X   | X      | C     | X       | X    | A     | X               | A           | X       | B           | X      | X       | A     | X     | A        | X     | A      |
| Nitrobenzene                  | X                | X   | X      | X     | X       | B    | B     | B               | B           | C       | X           | C      | X       | A     | B     | A        | C     | A      |
| Nitro methane                 | B                | X   | X      | B     |         | B    | X     |                 | A           |         | A           | A      | X       | A     |       |          |       | A      |
| Nitrous Acid                  | C                | X   |        |       |         | A    | B     | X               | B           | A       | X           | B      |         | B     | X     |          | X     | A      |
|                               |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                               |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                               |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                               |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                               |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                           | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|---------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                           | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| <b>OILS:</b>              |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| -Castor                   | B                | A   | A      | B     | A       | B    | A     |                 | A           | A       |             | A      |         | A     | A     | A        | A     | A      |
| -Citric                   | X                | X   | C      | B     | X       | B    | A     |                 | A           | X       | A           | A      |         | A     | B     |          | A     | A      |
| -Coconut                  | X                | C   | A      | B     | C       | X    | A     | C               | A           | A       | A           | A      | A       | A     |       |          | A     | A      |
| -Cod Liver                | X                | B   | B      | A     | B       | A    | A     |                 | A           | A       | A           | B      |         | A     |       |          | A     | A      |
| -Corn                     | X                | C   | A      | B     | B       | C    | A     | C               | A           | C       | A           | A      | A       | A     |       |          | A     | A      |
| -Cotton Seed              | X                | B   | A      | C     | B       | B    | A     | C               | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| -Diesel                   | X                | B   | A      | X     | B       | X    | A     | A               | A           | A       | B           | X      |         | A     | B     | B        | A     | A      |
| -Hydraulic (Petrol.)      | X                | A   | A      |       | A       | X    | A     |                 | A           | A       | A           | B      |         | A     | A     |          | A     | A      |
| -Hydraulic (Synthetic)    | X                | A   | X      |       | A       | A    | A     |                 | A           | A       | A           |        |         | A     | A     |          | A     | A      |
| -Linseed                  | X                | B   | A      | A     | B       | B    | A     | A               | A           | A       | B           | A      | A       | A     | B     | A        | A     | A      |
| -Mineral                  | X                | B   | A      | X     | B       | X    | A     | B               | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| -Olive                    | X                | B   | X      | B     | B       | B    | A     | B               | A           | A       | A           | A      | A       |       | B     | A        | A     | A      |
| -Peanut                   | X                | C   | A      | C     | C       | C    | A     |                 | A           | A       |             | A      |         | A     | B     | A        | A     | A      |
| -Petroleum                | X                | B   | A      | X     | X       | X    | A     | C               | A           | A       |             | B      | X       | A     | A     | A        | A     | A      |
| -Rapeseed                 | X                | B   | B      | A     | C       | A    | A     |                 | A           | A       |             | A      |         | A     | B     | A        | A     | A      |
| -Silicone                 | A                | A   | A      | A     | A       | A    | A     |                 | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| -Soybean                  | X                | C   | A      | C     | C       | C    | A     | C               | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| -Turbine                  | X                | C   | B      | X     | C       | C    | A     |                 | A           | A       |             | A      |         | A     | A     | A        | A     | A      |
| Oleic Acid                | X                | B   | B      | C     | B       | B    | B     | X               | A           | C       | A           | A      | C       | A     | X     | B        | A     | A      |
| Oleum                     | X                | X   | X      | X     | X       | X    | A     |                 | A           | X       | X           | X      |         | X     | X     | X        | X     | A      |
| Oxalic Acid               | C                | B   | C      | A     | B       | A    | B     |                 | A           | A       | B           | B      | A       | B     | X     | A        | A     | A      |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Paraffin                  | X                | B   | A      | X     | X       | X    | A     | B               | A           | A       | B           | A      | B       | A     | A     | A        | A     | A      |
| Pentane                   | X                | A   | A      | X     | B       | X    | A     | B               | C           | C       | A           | B      |         | A     | A     |          | A     | A      |
| Perchloro ethylene        | X                | X   | C      | X     | X       | X    | A     | B               | A           | X       | B           | B      | X       | A     | C     | A        | X     | A      |
| Petrolatum (Vaseline)     | X                | B   | A      | X     | B       | X    | A     | C               | A           | A       | A           | B      | A       | A     | B     |          | A     | A      |
| Phenol (10%)              | X                | X   | X      | B     | C       | X    | A     | X               | B           | C       | B           | B      | X       | A     | C     | B        | C     | A      |
| Phenol (Carbolic Acid)    | X                | X   | X      | B     | X       | X    | A     | X               | B           | C       | A           | X      | X       | A     | X     | A        | C     | A      |
| Phosphoric Acid (<40%)    | C                | B   | C      | B     | B       | A    | A     | X               | C           | X       | A           | X      | A       | B     | X     | C        | A     | A      |
| Phosphoric Acid (40-100%) | X                | X   | X      | C     | C       | B    | A     | X               | X           | X       | A           | X      | A       | B     | X     | C        | B     | A      |
| Phosphorus Trichloride    | X                | X   | X      | A     | X       | A    | A     | B               | A           | A       | A           | X      | A       | A     |       | A        | A     | A      |
| Pithalic Acid             | X                | A   | X      | C     | A       | A    | A     | C               | A           | B       | B           | C      | B       | A     | C     | A        |       | A      |
| Phthalic Anhydride        | A                | A   | X      |       |         | A    | A     | C               | A           | B       | A           | C      | A       | A     | B     |          |       | A      |
| Picric Acid               | X                | A   | C      | B     | B       | B    | A     | X               | B           | X       | B           | A      | X       | A     | B     | A        | A     | A      |
| Polymer (Flocculant)      | X                | X   | B      | X     | X       | X    | A     |                 | A           |         |             |        | A       | A     |       |          | A     | A      |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|  | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|--|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|  | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Potash                                     | B                | B   | C      | A     | A       | B    | C     | B               | B           | B       | B           | B      | B       | A     | B     | A        | A     | A      |
| Potassium Bicarbonate                      | A                | A   | A      |       | A       | A    | A     |                 | B           | B       | B           | A      | B       | B     | C     | A        | A     | A      |
| Potassium Bromide                          | A                | A   | A      | A     | A       | A    | A     | X               | B           | B       | B           | A      | B       | A     | B     | A        | A     | A      |
| Potassium Carbonate                        | A                | A   | A      | A     | A       | A    | A     | B               | B           | B       |             | B      | B       | A     | B     | A        | A     | A      |
| Potassium Chlorate                         | A                | A   | A      | A     | A       | A    | A     | B               | B           | B       | B           | B      | B       | A     | B     | A        | A     | A      |
| Potassium Chloride                         | A                | A   | A      | A     | A       | A    | A     | C               | A           | A       | A           | A      | A       | A     | X     | A        | A     | A      |
| Potassium Chromate                         | B                | A   | A      | A     | C       | A    | A     |                 | B           | B       | A           | C      | A       | B     | B     |          | C     | A      |
| Potassium Cyanide                          | A                | B   | A      | A     | A       | A    | A     | B               | B           | B       | B           | C      | A       | A     | X     | A        | A     | A      |
| Potassium Dichromate                       | C                | B   | A      | A     | A       | A    | A     | C               | B           | B       | B           | A      | B       | A     | C     | A        | C     | A      |
| Potassium Ferrocyanide                     | A                | A   | D      |       |         | A    | A     | C               | B           | B       | B           | A      | A       | A     | C     | A        | A     | A      |
| Potassium Hydroxide (50%) (Caustic Potash) | B                | B   | C      | A     | A       | B    | C     | B               | A           | B       | B           | A      | A       | A     | X     | X        | A     | A      |
| Potassium Hypochlorite                     | C                | C   | X      | C     | B       | A    |       |                 | B           | B       | B           |        |         | A     | X     | A        |       | A      |
| Potassium Nitrate                          | A                | A   | A      | A     | A       | A    | A     | B               | B           | B       | B           | A      | B       | A     | B     | A        | A     | A      |
| Potassium Permanganate                     | B                | C   | B      | A     | A       | A    | B     | B               | B           | B       | A           | A      | A       | A     | B     | A        | A     | A      |
| Potassium Sulfate                          | B                | A   | A      | A     | A       | A    | A     | B               | A           | A       | B           | B      | B       | A     | X     | A        | A     | A      |
| Potassium Sulfide                          | B                | A   | A      | A     | A       | A    | A     | B               | B           | A       | A           | A      | A       | A     | X     | A        |       | A      |
| Propane                                    | X                | C   | A      | X     | B       | X    | A     | B               | A           | A       | A           | A      | X       | A     | A     |          | A     | A      |
| Propylene Glycol                           | A                | C   | A      | A     | A       | A    | A     | B               | B           | A       | B           | B      | A       | B     | A     | A        | B     | A      |
| Pyridine                                   | X                | X   | X      |       | X       | B    | X     |                 | A           | A       | B           | B      | X       | X     | B     | B        | A     | A      |
| Pyrogallic Acid                            |                  | A   | A      |       |         | B    | A     | B               | B           | B       | B           | X      |         | A     | B     | A        | A     | A      |
|  |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|  |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|  |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Rosin                                      |                  | A   | A      | X     | B       |      | A     | C               | A           | B       |             | B      | B       |       | B     |          | A     | A      |
| Rum  | A                | A   | A      | A     | A       | A    | B     |                 | A           |         |             | A      |         |       | A     |          | A     | A      |
|  |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|  |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|  |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
| Salt Brine Saturated                       | A                | A   | A      | A     | A       | A    | A     | C               | A           | B       | A           | A      | A       | A     | B     | A        | A     | A      |
| Sea Water                                  | A                | A   | A      | A     | A       | A    | A     | X               | C           | A       | A           | A      | A       | A     | X     | A        | A     | A      |
| Sewerage                                   | C                | B   | A      | B     | A       | B    | A     | C               | B           | B       | X           | B      | A       | A     | C     | A        | A     | A      |
| Shellac                                    | X                | X   | A      |       |         | A    | A     | A               | A           | A       |             | A      |         |       | B     |          | A     | A      |
| Silicone (Oil & Grease)                    | A                | A   | A      | A     | A       | A    | A     | A               | A           | A       |             | A      | A       | A     | A     | A        | A     | A      |
| Silver Nitrate                             | A                | A   | B      | A     | A       | A    | A     | X               | B           | C       | A           | A      | A       | A     | B     | A        | A     | A      |
| Soap                                       | B                | A   | A      | A     | A       | A    | A     | A               | A           | A       | A           | A      | B       | A     | B     | A        | A     | A      |
| Sodium Acetate                             | B                | B   | B      | A     | B       | A    | X     | C               | B           | A       | A           | B      | A       | A     | B     | A        | A     | A      |
| Sodium Aluminate                           | A                |     | A      | A     | A       |      | A     | C               | A           | B       | B           | B      |         |       | B     | A        | A     | A      |
| Sodium Bicarbonate                         | A                | A   | A      | A     | A       | A    | A     | C               | A           | A       | B           | A      | A       | A     | X     | A        | A     | A      |

Corrosion Chart

|                           | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|---------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                           | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Sodium Bisulfate          | A                | A   | A      | A     | A       | A    | A     | X               | C           | C       | B           | B      | B       | A     | X     | A        | A     | A      |
| Sodium Bisulfite          | A                | A   | A      | A     | A       | A    | A     | X               | B           | B       | B           | C      | B       | A     | B     | A        | A     | A      |
| Sodium Borate (BORAX)     | A                | A   | A      | A     | A       | A    | A     | C               | B           | A       | A           |        | B       | A     | B     | B        | A     | A      |
| Sodium Carbonate          | A                | A   | A      | A     | A       | A    | A     | B               | A           | B       | A           | A      | A       | A     | B     | A        | C     | A      |
| Sodium Chlorate           | A                | A   | A      | A     | A       | A    | A     | C               | B           | B       | B           | A      | A       | A     | B     | A        | A     | A      |
| Sodium Chloride           | A                | A   | A      | A     | A       | A    | A     | C               | B           | B       | A           | A      | A       | A     | X     | A        | A     | A      |
| Sodium Chromate           |                  | A   | A      | A     | C       |      | X     | B               | B           | B       | A           | X      |         | A     | C     |          | C     | A      |
| Sodium Cyanide            | A                | A   | A      | A     | A       | A    | A     | B               | B           | A       | A           | A      | B       | A     | X     | A        | A     | A      |
| Sodium Fluoride           | A                | A   | A      | A     |         | A    | A     | X               | X           | C       | A           |        | A       | A     | B     | A        | A     | A      |
| Sodium Hydrosulfite       | C                | B   | C      |       | B       | B    | A     |                 |             | C       | A           |        |         |       |       |          |       | A      |
| Sodium Hydroxide (20%)    | A                | B   | C      | A     | B       | A    | B     | A               | A           | A       | B           | A      | C       | B     | B     | A        | A     | A      |
| Sodium Hydroxide (50%)    | A                | B   | C      | A     | B       | A    | B     | B               | A           | B       | C           | A      | C       | C     | B     | A        | A     | A      |
| Sodium Hydroxide (80%)    | A                | B   | C      | A     | B       | A    | B     | A               | A           | B       | A           | X      | C       | X     | B     |          | A     | A      |
| Sodium Hypochlorite (20%) | B                | X   | X      | X     | X       | B    | A     | X               | C           | X       | B           | X      | A       | A     | X     | A        | C     | A      |
| Sodium Metaphosphate      | A                | B   | A      | A     | B       | A    | A     | B               | A           | A       |             | B      | B       | A     | X     |          | A     | A      |
| Sodium Metasilicate       | A                | B   | A      |       | B       | A    | A     | C               | A           | B       | A           | X      |         |       | B     |          | A     | A      |
| Sodium Nitrate            | B                | B   | B      | A     | A       | A    | A     | B               | B           | C       | B           | A      | B       | A     | B     | A        | A     | A      |
| Sodium Perborate          | B                | B   | B      | A     | B       | A    | A     | B               | B           | X       | B           | B      |         |       | X     |          | B     | A      |
| Sodium Peroxide           | B                | B   | B      | A     | B       | B    | A     | C               | A           | X       | B           | X      | B       | A     | X     |          | C     | A      |
| Sodium Polyphosphate      | A                | B   | A      | A     | A       | A    | A     |                 | B           | C       | A           | B      | B       | A     | X     | A        | A     | A      |
| Sodium Silicate           | A                | A   | A      | A     | A       | A    | A     | B               | B           | A       | B           | C      | A       | A     | X     | A        | A     | A      |
| Sodium Sulfate            | B                | A   | A      | A     | A       | A    | A     | B               | B           | C       | B           | B      | A       | A     | B     | A        | A     | A      |
| Sodium Sulfide            | B                | A   | A      |       | A       | A    | A     | B               | X           | X       | B           | B      | B       | A     | X     | A        | A     | A      |
| Sodium Sulfite            | B                | A   | A      | A     | A       | A    | A     |                 | A           | C       | B           |        | B       | A     | X     | A        | A     | A      |
| Sodium Tetraborate        | A                | A   | A      | A     | A       | A    | A     |                 | A           | B       |             | B      |         | B     |       |          | A     | A      |
| Sodium Thiosulfate        | A                | A   | A      | A     | A       | A    | A     | X               | B           | X       | A           | C      |         | A     | X     | A        | A     | A      |
| Sorghum                   | A                | A   | A      |       |         |      | A     |                 | A           | X       |             | A      |         |       |       |          | A     | A      |
| Stannic Chloride          | A                | X   | A      | B     | X       | B    | A     | X               | X           | X       | B           | C      |         | A     | X     | A        | A     | A      |
| Stannic Fluoborate        |                  | A   | A      |       |         |      | A     |                 | A           | X       |             | C      |         |       |       |          | A     | A      |
| Stannous Chloride         | A                | A   | A      | A     | A       | B    | A     |                 | A           | X       | B           |        |         | A     | A     | A        | A     | A      |
| Starch                    | B                | B   | B      | A     | A       | A    | A     | C               | A           | A       |             | A      | A       |       | B     |          | A     | A      |
| Stearic Acid              | C                | B   | B      | B     | B       | B    | A     | C               | A           | C       | B           | A      | A       | A     | X     | A        | B     | A      |
| Stoddard Solvent          | X                | C   | A      | X     | X       | X    | A     | A               | A           | A       | A           | A      |         | A     | A     | A        | A     | A      |
| Styrene                   | X                | X   | X      | X     | X       | X    | B     | A               | A           | A       | X           | A      |         |       | A     |          | A     | A      |
| Sugar (Liquid)            | A                | A   | A      | A     | A       | A    | A     | B               | A           | A       | A           | A      | A       |       | B     |          | A     | A      |
| Sulfate Liquor            | B                | B   | A      |       | B       | A    | A     | C               | B           | X       | B           | X      | A       | A     | B     |          | A     | A      |
| Sulfur                    | X                | B   | C      | A     | A       | A    | A     | C               | B           | A       | A           | A      | A       | A     | X     | A        |       | A      |
| Sulfur Chloride           | X                | X   | X      | X     | B       | X    | A     | X               | X           | X       | A           | X      |         | B     | X     | X        | C     | A      |
| Sulfur Dioxide            | B                | B   | X      | B     | B       | A    | A     | B               | A           | B       | C           | B      | X       | A     | X     | A        | A     | A      |
| Sulfur Trioxide           | C                | C   | C      | B     | C       | B    | A     | B               | C           | A       |             | A      |         | X     | X     |          | A     | A      |
| Sulfuric Acid (10%)       | B                | B   | X      | B     | B       | A    | A     | X               | B           | X       | B           | X      | A       | A     | C     | X        | A     | A      |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |
|                           |                  |     |        |       |         |      |       |                 |             |         |             |        |         |       |       |          |       |        |

Corrosion Chart

|                          | Rubber Compounds |     |        |       |         |      |       | Rigid Materials |             |         |             |        |         |       |       |          |       |        |
|--------------------------|------------------|-----|--------|-------|---------|------|-------|-----------------|-------------|---------|-------------|--------|---------|-------|-------|----------|-------|--------|
|                          | PGR              | Neo | Buna-N | Butyl | Hypalon | EPDM | Viton | Carbon Stl      | 316 Stn Stl | Carp-20 | Hastelloy-C | Acetal | UHMW-PE | Kynar | Brass | Titanium | Epoxy | Teflon |
| Sulfuric Acid (10-75%)   | X                | X   | X      | B     | B       | B    | A     | X               | X           | A       | B           | X      | A       | A     | C     | X        | A     | A      |
| Sulfuric Acid (75-100%)  | X                | X   | X      | X     | X       | X    | A     | X               | X           | A       | B           | X      | B       | A     | C     | X        | C     | A      |
| Sulfurous Acid           | B                | X   | X      | B     | A       | C    | A     | X               | B           | X       | B           | C      | B       | A     | X     | A        | A     | A      |
| Syrup                    | A                | B   |        |       |         |      |       | B               | A           | A       |             | A      | A       |       | B     |          | A     | A      |
| Tallow                   | X                | B   | A      | B     | B       | A    | A     |                 | A           |         |             | A      | A       | A     |       |          | A     | A      |
| Tannic Acid              | A                | A   | B      | B     | A       | B    | A     | C               | A           | A       | B           | B      | A       | B     | B     | A        | A     | A      |
| Tanning Liquor           |                  | A   | A      | X     | B       |      | A     |                 | A           | A       | B           |        |         |       |       | A        | A     | A      |
| Tartaric Acid            | A                | B   | A      | B     | A       | B    | A     | X               | C           | A       | B           | B      | A       | B     | X     | A        | A     | A      |
| Tetrachlorethane         | X                | X   | X      | X     | X       | X    | A     |                 | A           |         | A           | A      |         | A     |       | A        | A     | A      |
| Tetrahydrofuran          | X                | X   | X      | B     | X       | B    | X     |                 | A           | X       | A           | A      | C       | B     | B     | B        | A     | A      |
| Toluene, Toluol          | X                | X   | C      | X     | X       | X    | A     | A               | A           | A       | A           | C      | X       | A     | A     | A        | B     | A      |
| Tomato Juice             |                  | A   | A      |       |         | A    | A     | C               | A           | C       |             | B      | A       | A     | C     | A        | A     | A      |
| Trichlorethane           | X                | X   | X      | X     | X       | X    | A     | B               | B           | A       | A           | A      | X       | A     | B     | A        | A     | A      |
| Trichlorethylene         | X                | X   | C      | X     | X       | X    | A     |                 | B           | A       | A           | X      | X       | B     | B     | A        | C     | A      |
| Trichloropropane         | X                |     | X      | X     | X       |      | A     |                 | A           | A       | A           | A      |         |       |       |          | A     | A      |
| Tricresyl phosphate      | X                | X   | X      | A     | C       | A    | B     |                 | B           | A       | A           | C      |         | X     | B     | B        | A     | A      |
| Triethylamine            | B                |     | B      | A     | C       |      | A     |                 | A           | A       |             | X      |         | A     |       |          | A     | A      |
| Turpentine               | X                | X   | A      | X     | X       | X    | A     | B               | A           | C       | B           | A      | B       | A     | X     | B        | A     | A      |
| Urine                    | A                | B   | B      | A     | A       |      |       | C               | A           | C       |             | A      | A       | A     | B     |          | A     | A      |
| Vegetable Juice          | A                | B   | B      | A     |         |      | A     |                 | A           | C       |             | A      |         |       | A     |          | A     | A      |
| Vinegar                  | B                | B   | C      | A     | A       | A    | A     | X               | A           | C       | A           | B      | A       | B     | X     | A        | A     | A      |
| Varnish                  | X                | X   | B      | X     | X       | X    | A     | C               | A           | A       | A           | A      | B       | A     | A     |          | A     | A      |
| Water                    | A                | B   | A      | A     | A       | A    | A     | C               | A           | A       | A           | A      | A       | A     | A     | A        | A     | A      |
| Water, Salt (Brine)      | A                | B   | B      | A     | A       | A    | A     | X               | B           | X       | A           | A      | A       | A     | X     | A        | A     | A      |
| White Liquor (Pulp mill) | A                | A   | A      |       | A       | A    | A     |                 | A           | X       | A           | X      |         | A     | B     |          | A     | A      |
| White Water (Paper mill) |                  | A   |        |       |         |      | A     |                 | A           | A       |             | B      |         |       |       |          | A     | A      |
| Xylene                   | X                | X   | X      | X     | X       | X    | A     | B               | B           | A       | A           | A      | X       | A     | A     | A        | A     | A      |
| Zinc Chloride            | A                | A   | A      | A     | A       | A    | A     |                 | B           | X       | B           | C      | A       | A     | X     | A        | A     | A      |
| Zinc Hydrosulfite        |                  | A   | A      |       |         | A    | A     |                 | A           | X       |             | C      |         |       |       |          | A     | A      |
| Zinc Sulfate             | B                | A   | A      | A     | A       | A    | A     |                 | A           | C       | A           | C      | A       | A     | B     | A        | A     | A      |