

# Chemical Resistance Table

**SCP SCIENCE**

| FLUIDS                     | PVC | SOLVENTFLEX | SANTOPRENE | SILICONE | VITON |
|----------------------------|-----|-------------|------------|----------|-------|
| Acetic acid > 5%           | ●   | ●           | ●          | ●        | ●     |
| Acetone                    | x   | x           | x          | x        | x     |
| Aliphatic Hydrocarbons     | x   | ●           | x          | x        | ○     |
| Ammonium Hydroxide         | ●   | x           | ●          | ●        | ●     |
| Aqua regia                 | x   | x           | x          | x        | ●     |
| Aromatic Hydrocarbons      | x   | x           | x          | x        | ●     |
| Butanol (Buthyl Alcohol)   | x   | ●           | x          | ●        | ●     |
| Carbon Tetrachloride       | x   | x           | x          | x        | ●     |
| Chlorobenzene              | x   | x           | x          | x        | ●     |
| Chlorobromomethane         | x   | x           | ●          | x        | ●     |
| Chloroform                 | x   | x           | ●          | x        | ●     |
| Chromic acid, 30%          | ●   | x           | ●          | x        | ●     |
| Cyclohexane                | x   | ●           | x          | x        | ●     |
| Cyclohexanone              | x   | x           | x          | x        | x     |
| Ethanol (Ethyl Alcohol)    | x   | ●           | ●          | ●        | ●     |
| Gasoline (Highly-Aromatic) | x   | ○           | x          | x        | ●     |
| Gasoline (Non-Aromatic)    | x   | ●           | x          | x        | ●     |
| Hydrochloric acid [low]    | ●   | ●           | ●          | x        | ●     |
| Hydrochloric acid [medium] | ●   | x           | ●          | x        | ●     |
| Hydrochloric acid [high]   | ●   | x           | ○          | x        | ●     |
| Hydrofluoric acid [low]    | ●   | x           | x          | x        | ●     |
| Hydrofluoric acid, 50%     | ○   | x           | x          | x        | ●     |
| Hydrofluoric acid, 75%     | ○   | x           | x          | x        | ●     |
| Hydrogen peroxide [low]    | ●   | ●           | ●          | ●        | ●     |
| Hydrogen peroxide, 90%     | x   | x           | ●          | ●        | ●     |
| Kerosene                   | x   | ●           | x          | x        | ●     |

| FLUIDS  | PVC | SOLVENTFLEX | SANTOPRENE | SILICONE | VITON |
|---|-----|-------------|------------|----------|-------|
| Lacquer Solvents  | x   | x           | ●          | x        | x     |
| Linseed Oil   | x   | ●           | x          | ●        | ●     |
| Methanol (Methyl Alcohol)   | x   | x           | x          | ●        | ○     |
| Methyl Chloride   | x   | x           | x          | x        | ●     |
| Methyl Ethyl Ketone   | x   | x           | x          | x        | x     |
| Mixed Acids<br>(40% H <sub>2</sub> SO <sub>4</sub> , 15% HNO <sub>3</sub> ) | ●   | x           | ●          | x        | ●     |
| Nitric acid [low]   | ●   | x           | ○          | ●        | ●     |
| Nitric acid [medium]  | ○   | x           | ○          | x        | ●     |
| Nitric acid [high]  | ○   | x           | ○          | x        | ●     |
| Oils, animal  | x   | ●           | x          | ○        | ●     |
| Oils, mineral   | x   | ●           | x          | ○        | ●     |
| Oils, vegetable   | x   | ●           | x          | ○        | ●     |
| Perchloric Acid   | x   | x           | ●          | x        | ●     |
| Phosphoric Acid, 50%  | ●   | ●           | ●          | x        | ●     |
| Sulfuric acid [low]   | ●   | ●           | ○          | x        | ●     |
| Sulfuric acid [medium]  | ●   | ●           | ○          | x        | ●     |
| Sulfuric acid [high]  | ○   | x           | ○          | x        | ●     |
| Toluene (Toluol)  | x   | x           | x          | x        | ●     |
| Water, Fresh  | ●   | ●           | ●          | ●        | ●     |
| Water, Salt   | ●   | ●           | ●          | ●        | ●     |
| Xylene  | x   | x           | x          | x        | ●     |

## LEGEND

|   |              |   |                 |   |                |
|---|--------------|---|-----------------|---|----------------|
| ● | Satisfactory | ○ | Test before use | x | Unsatisfactory |
|---|--------------|---|-----------------|---|----------------|

### NORTH AMERICA / INTERNATIONAL

Tel.: (800) 361-6820/+1 (514) 457-0701  
Fax: (800) 253-5549/+1 (514) 457-4499

### EUROPE

Tel.: +33 (0) 1 69 18 71 17  
Fax: +33 (0)1 60 92 05 67

### CHINA

Tel.: +86 (10) 58032301  
Fax: +86 (10) 58032302

### GERMANY

Tel.: +49 (0) 8342-89560-61  
Fax: +49 (0) 8342-89560-69

www.scpscience.com  
sales@scpscience.com