## Suitability of Various Alloy Materials of Construction (Metals) for Handling Sodium Hypochlorite Service

<table>
<thead>
<tr>
<th>Metals</th>
<th>Suitability</th>
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| Stainless Steel 304            | C/NR saturated at 70° F  
                                    | C 6-20% at 70° F  
                                    | C/NR 3-5% at 70° F  
                                    | A to 1% to 212° F, pits & pits on drying |
| Stainless Steel 316 & 317      | B/NR saturated at 70° F  
                                    | A saturated to 200° F, slightly alkaline  
                                    | C 20% at 70° F  
                                    | C/NR 16-20% 86-140° F  
                                    | BC 10% at 70° F, pits  
                                    | A 6.3% to 100° F, pits  
                                    | A to 6% to 160° F, pits  
                                    | A to 1% to 212° F, crevice corrodes |
| Stainless Steel Carpenter 20Cb-3| B/NR 100% at 70° F  
                                    | C/NR 50% boiling  
                                    | C 20% 70-140° F  
                                    | A to 16% to 80° F  
                                    | A to 6% to 100° F, pits on drying |
| Hastelloy B                     | AB saturated to 140°  
                                    | NR 5-11% 70-90° F |
| Hastelloy C/Hastelloy C-276     | AB 100% to 200° F  
                                    | A to 50% to 115° F  
                                    | A to 20% to 140° F |
| Nickel                          | NR 5-100% at 70° F  
                                    | A to 500 PPM to 77° F |
| Monel                           | NR 10-100% at 70° F  
                                    | B/NR 5% at 70° F  
                                    | A 500 PPM to 77° F |

A <.002 in. per year (< .05 mm/yr.)  
B <.020 in. per year (< .50 mm/yr.)  
C <.050 in. per year (<1.27 mm/yr.)  
NR >.050 in. per year or explosive (not recommended)