

# Chemical Listings



CORROSION  
RESISTANT RESINS

CONCENTRATIONS AND RECOMMENDED MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE - DEGREES F

| CHEMICAL                               | CONC.% | NOTES | F010        | F007 | F080 | F083 | F085 | F282 | K190 | F701 | F707 | Hood<br>&<br>Duct<br>K733 |
|--|--------|-------|-------------|------|------|------|------|------|------|------|------|---------------------------|
|  |        |       | F013        | F015 |      | K022 | K023 |      | F086 | K095 | F764 |                           |
|  |        |       | TEMPERATURE |      |      |      |      |      |      |      |      |                           |
| DICHLOROTOLUENE                        | 100    |       | 80          | 80   | 80   | 80   | 120  | 80   |      |      |      |                           |
| DIESEL FUEL, NO AROMATICS, NO METHANOL | 100    |       | 180         | 190  | 200  | 200  | 200  | 200  | 175  | 175  | 120  | 100                       |
| DIESEL FUEL, AROMATICS, METHANOL       | 100    | 11    |             |      |      |      |      | 90   |      | 90   | NR   |                           |
| DIETHANOL AMINE                        | 100    |       | 120         | 120  | 120  | 120  | 150  | 120  | 110  |      |      | 90                        |
| DIETHYL AMINE                          | ALL    |       | NR          | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR                        |
| DIETHYL ANILINE N,N                    | 100    |       | NR          | NR   | NR   | NR   | 80   | 80   |      |      |      | NR                        |
| DIETHYL BENZENE                        | 100    |       | 80          | 120  | 80   | 80   | 150  | NR   | 100  | NR   | NR   |                           |
| DIETHYL CARBONATE                      | 100    |       | NR          | 80   |      |      | 100  | NR   |      |      | NR   |                           |
| DIETHYL ETHER                          | 100    |       | NR          | NR   | NR   | NR   | NR   | NR   |      | NR   | NR   |                           |
| DIETHYL FORMAMIDE                      | 100    |       | NR          | NR   | NR   | NR   | 100  | NR   | NR   | NR   | NR   | NR                        |
| DIETHYL KETONE                         | 100    |       | NR          | NR   | NR   |      | 80   | NR   |      | NR   | NR   | NR                        |
| DIETHYL MALEATE                        | 100    |       | NR          | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR                        |
| DIETHYL PHTHALATE                      | 100    | 11    | 140         | 140  |      |      | 180  | 140  | 140  | 100  | 80   | 100                       |
| DIETHYL SULPHATE                       | 100    |       | 100         | 120  | 100  | 100  | 120  | 100  | 100  |      |      |                           |
| DIETHYLENE GLYCOL                      | 100    |       | 180         | 210  | 210  | 210  | 210  | 210  | 250  | 180  | 80   | 180                       |
| DIETHYLENE GLYCOL DIMETHYL ETHER       | 100    |       | NR          |      |      |      | 80   | NR   |      |      |      | NR                        |
| DIETHYLENE GLYCOL MONOBUTYL ETHER      | 100    |       |             |      |      |      | 80   |      |      |      |      | NR                        |
| DIETHYLENETRIAMINE                     | 100    |       | NR          | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR                        |
| DIISOBUTYL KETONE                      | 100    |       | NR          | NR   | NR   | NR   | 120  | NR   | 80   |      |      | NR                        |
| DIISOBUTYL PHTHALATE                   | 100    | 11    | 150         | 150  | 150  | 150  | 160  | 180  | 90   | 110  |      | 80                        |
| DIISOBUTYLENE                          | 100    | 11    | 80          | 100  | 100  | 100  | 100  | NR   | 100  | 80   | NR   |                           |
| DIISOPROPANOL AMINE                    | 100    |       | 100         | 120  | 120  | 120  | 150  | 100  |      |      |      |                           |
| DIISOPROPYLAMINE                       | 100    |       | 100         | 120  |      |      | 120  | NR   |      |      |      |                           |
| DIMETHYL ACETAMIDE                     | 100    |       | NR          |      |      |      | NR   | NR   | 150  |      |      |                           |
| DIMETHYL AMINE                         | 100    |       | NR          | NR   | NR   | NR   | 80   | 80   | NR   | NR   | NR   | NR                        |
| DIMETHYL ANILINE                       | 100    |       |             |      |      |      | 100  | 80   |      |      |      | NR                        |
| DIMETHYL FORMAMIDE                     | 100    |       | NR          | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR   | NR                        |
| DIMETHYL MORPHOLINE (2,6-)             | 100    |       | 80          |      |      |      | 100  | NR   |      | NR   | NR   |                           |
| DIMETHYL PHTHALATE                     | 100    |       | 150         | 180  | 150  |      | 180  | 180  |      |      | NR   | NR                        |
| DIMETHYL SULPHATE                      | 100    |       | NR          |      |      |      | NR   | N.R  |      |      |      |                           |
| DIMETHYL SULPHIDE                      | 100    |       | NR          |      |      |      | 70   | NR   |      | NR   | NR   |                           |
| DIMETHYL SULPHOXIDE                    | 20     |       | 80          |      |      |      | 100  | NR   |      |      |      |                           |
| DIMETHYL SULPHOXIDE                    | 100    |       | NR          |      |      |      | NR   | NR   |      |      |      | NR                        |

## Notes

## Fahrenheit to Centigrade Conversions

|              |              |             |             |
|--------------|--------------|-------------|-------------|
| 300°F= 149°C | 230°F= 110°C | 160°F= 71°C | 100°F= 38°C |
| 290°F= 143°C | 220°F= 104°C | 150°F= 66°C | 90°F= 32°C  |
| 280°F= 138°C | 210°F= 99°C  | 140°F= 60°C | 80°F= 27°C  |
| 270°F= 132°C | 200°F= 93°C  | 130°F= 54°C | 77°F= 25°C  |
| 260°F= 127°C | 190°F= 88°C  | 120°F= 49°C | 70°F= 21°C  |
| 250°F= 121°C | 180°F= 82°C  | 110°F= 44°C | 60°F= 16°C  |
| 240°F= 116°C | 170°F= 77°C  |             |             |

Room temperature is assumed to be 77°F

- 1 Synthetic veil recommended
  - 2 Double synthetic veil recommended
  - 3 Double C-glass veil recommended
  - 4 Double C-glass veil recommended. The thickness of the chemical resistance barrier (veil plus chopped glass fibers) should be ≈0.200 inches thick
  - 5 Carbon Veil is recommended for improved service life.
  - 6 Acid resistant (ECR) glass recommended in chopped glass layer behind the veil layer(s)
  - 7 BPO/DMA or BPO/DEA curing system is recommended for improved service life.
  - 8 Post cure recommended for improved service life.
  - 9 Satisfactory up to maximum stable temperature of component.
  - 10 Contact Corrosion Product Leader (see page 3)
  - 11 Vipel® F764 or Vipel® F774 are recommended as the preferred products over Vipel® F701.
  - 12 Only F010, F007, F015, F701, F764, F774 and F737 are suitable for FDA/USDA applications.
- NR** Not recommended.  
**'ALL'** in concentration column refers to concentrations in water.  
**'100'** in concentration column refers to the pure chemical.