



# CHEMICAL RESISTANT DATA SHEET

|                               | TEST TEMP. IN °C | CHEMICAL RESISTANT DATA SHEET |                      |             |                |                |               |                 |                |                   |               |             |                 |                  |           |              |      |       |      |          |              |                 |      |      |          |            |           |           |           |              |   |
|-------------------------------|------------------|-------------------------------|----------------------|-------------|----------------|----------------|---------------|-----------------|----------------|-------------------|---------------|-------------|-----------------|------------------|-----------|--------------|------|-------|------|----------|--------------|-----------------|------|------|----------|------------|-----------|-----------|-----------|--------------|---|
|                               |                  | BIOFUSION                     | DURAPRO ABS          | DURAPRO ASA | DURAPRO ASA CF | DURAPRO ASA GF | DURAPRO PA12  | DURAPRO PA12 CF | DURAPRO PC/PBT | DURAPRO PC/PBT CF | FLEX SEMISOFT | FLEX MEDIUM | FLEX MEDIUM ESD | FLEX MEDIUM MATT | FLEX HARD | FLEX HARD CF | WOOD | PEARL | FLAX | GREENTEC | GREENTEC PRO | GREENTEC PRO CF | PCTG | PETG | XPETG CF | XPETG MATT | XPETG REC | XPETG ESD | PLA BASIC | PLA NX2 MATT |   |
| acetone                       | 20               | ○                             | ○                    | ○           | ○              | ○              | ●             | ●               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | ○    | ○     | ○    | ○        | ○            | ○               | ○    | ○    | ○        | ○          | ○         | ○         | ○         | ○            |   |
| mek, methylethylketon         | 20               | -                             | -                    | -           | -              | -              | ●             | ●               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | ○    | -    | -        | -          | -         | -         | -         | -            |   |
| ammonia. 10% water            | 20               | -                             | -                    | -           | -              | -              | ●             | ●               | ●              | ●                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| ammonium nitrate (fertilizer) | 20               | -                             | -                    | -           | -              | -              | -             | -               | -              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| astm oil no. 1                | 80               | -                             | -                    | -           | -              | -              | -             | -               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| astm oil no. 2                | 80               | -                             | -                    | -           | -              | -              | -             | -               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| astm oil no. 3                | 80               | -                             | -                    | -           | -              | -              | -             | -               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| normal petrol                 | 20               | -                             | -                    | -           | -              | -              | ●             | ●               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | ○    | -    | -        | -          | -         | -         | -         | -            |   |
| premium gasoline              | 20               | -                             | -                    | -           | -              | -              | ●             | ●               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | ○    | -    | -        | -          | -         | -         | -         | -            |   |
| bitumen / asphalt             | 80               | -                             | -                    | -           | -              | -              | -             | -               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| brake fluid                   | 80               | -                             | -                    | -           | -              | -              | -             | -               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| cyclohexane                   | 20               | -                             | -                    | -           | -              | -              | -             | -               | -              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| mineral oil                   | 20               | ●                             | ○                    | ○           | ○              | ○              | ●             | ●               | ●              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | ●    | ●     | ●    | ●        | ●            | ●               | -    | -    | -        | -          | -         | -         | ●         | ●            |   |
| dimethylformamide             | 20               | -                             | -                    | -           | -              | -              | -             | -               | -              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| ethyl acetate                 | 20               | -                             | -                    | -           | -              | -              | -             | -               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| ethyl alcohol (10%)           | 20               | ●                             | ○                    | ○           | ○              | ○              | -             | -               | ●              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | ●    | ●     | ●    | ●        | ●            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | ●         | ●            |   |
| ethyl alcohol (95%)           | 20               | -                             | -                    | -           | -              | -              | -             | -               | ●              | ●                 | ○             | ○           | -               | ○                | ○         | ○            | ○    | ○     | ○    | ○        | ○            | ○               | ○    | ○    | ○        | ○          | ○         | ○         | ○         | ○            |   |
| frigen r11                    | 20               | -                             | -                    | -           | -              | -              | -             | -               | -              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| diethylene glycol             | 20               | -                             | -                    | -           | -              | -              | -             | -               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| isopropyl alcohol             | 20               | -                             | -                    | -           | -              | -              | ●             | ●               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| limescale                     | 20               | -                             | -                    | -           | -              | -              | -             | -               | -              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| methanol                      | 20               | -                             | -                    | -           | -              | -              | ●             | ●               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| methyl chloride               | 20               | -                             | -                    | -           | -              | -              | ○             | ○               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| trichloroethane               | 20               | -                             | -                    | -           | -              | -              | -             | -               | ○              | ○                 | ○             | -           | ○               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| chloroform                    | 20               | ○                             | -                    | -           | -              | -              | ○             | ○               | -              | -                 | -             | -           | -               | -                | -         | -            | ○    | ○     | ○    | ○        | ○            | ○               | -    | -    | -        | -          | -         | -         | ○         | ○            |   |
| 1,2 dichlorethane             | 20               | ○                             | -                    | -           | -              | -              | -             | -               | -              | -                 | -             | -           | -               | -                | -         | -            | ○    | ○     | ○    | ○        | ○            | ○               | -    | -    | -        | -          | -         | -         | -         | ○            | ○ |
| engine oil                    | 80               | -                             | -                    | -           | -              | -              | -             | -               | ●              | ●                 | ●             | ●           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| sodium chloride, aquatic 10%  | 20               | -                             | ○                    | ○           | ○              | ○              | ●             | ●               | -              | -                 | ●             | ●           | -               | ●                | ●         | ●            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| phosphoric acid, aquatic 10%  | 20               | -                             | ○                    | ○           | ○              | ○              | ●             | ●               | -              | -                 | ○             | ○           | -               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| potassium soap grease         | 80               | -                             | ○                    | ○           | ○              | ○              | -             | -               | -              | ●                 | ●             | -           | ●               | ●                | ●         | ●            | -    | -     | -    | -        | -            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | -         | -            |   |
| lithium soap grease           | 80               | -                             | ○                    | ○           | ○              | ○              | -             | -               | ●              | ●                 | ○             | ○           | -               | ○                | ○         | ○            | -    | -     | -    | -        | -            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | -         | -            |   |
| sodium soap grease            | 80               | -                             | ○                    | ○           | ○              | ○              | -             | -               | -              | -                 | ●             | ●           | -               | ●                | ●         | ●            | -    | -     | -    | -        | -            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | -         | -            |   |
| hydrochloric acid (1.5%)      | 20               | ○                             | ○                    | ○           | ○              | ○              | ○             | ○               | ●              | ●                 | -             | -           | -               | -                | -         | -            | ○    | ○     | ○    | ○        | ○            | ○               | -    | -    | -        | -          | -         | -         | ○         | ○            |   |
| hydrochloric acid (10%)       | 20               | -                             | -                    | -           | -              | -              | ○             | ○               | ●              | ●                 | ○             | ○           | -               | ○                | ○         | ○            | -    | -     | -    | -        | -            | ○               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| sulfuric acid (2,5%)          | 20               | ○                             | -                    | -           | -              | -              | ●             | ●               | ●              | ●                 | -             | -           | -               | -                | -         | -            | ○    | ○     | ○    | ○        | ○            | ○               | -    | -    | -        | -          | -         | -         | -         | ○            | ○ |
| sulfuric acid (10%)           | 20               | -                             | -                    | -           | -              | -              | ○             | ○               | ●              | ●                 | ○             | ○           | -               | ○                | ○         | ○            | -    | -     | -    | -        | -            | -               | -    | -    | -        | -          | -         | -         | -         | -            |   |
| tetrahydrofuran (thf)         | 20               | ○                             | -                    | -           | -              | -              | ●             | ●               | -              | -                 | ○             | ○           | -               | ○                | ○         | ○            | ○    | ○     | ○    | ○        | ○            | ○               | -    | -    | -        | -          | -         | -         | ○         | ○            |   |
| water distilled               | 20               | ●                             | ●                    | ●           | ●              | ●              | ●             | ●               | -              | -                 | ●             | ●           | -               | ●                | ●         | ●            | ●    | ●     | ●    | ●        | ●            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | ●         | ●            | ● |
| water distilled               | 50               | ●                             | ●                    | ●           | ●              | ●              | ●             | ●               | -              | -                 | ●             | ●           | -               | ●                | ●         | ●            | ●    | ●     | ●    | ●        | ●            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | ●         | ●            | ● |
| water distilled               | 80               | ●                             | ●                    | ●           | ●              | ●              | ●             | ●               | -              | -                 | ●             | ●           | -               | ●                | ●         | ●            | ●    | ●     | ●    | ●        | ●            | ●               | ●    | ●    | ●        | ●          | ●         | ●         | ●         | ●            | ● |
| acetic acid                   | 20               | ●                             | -                    | -           | -              | -              | ●             | ●               | ●              | ●                 | -             | -           | -               | -                | -         | -            | ●    | ●     | ●    | ●        | ●            | ●               | ○    | -    | -        | -          | -         | -         | ●         | ●            |   |
| glycerin                      | 20               | ●                             | -                    | -           | -              | -              | ●             | ●               | -              | -                 | -             | -           | -               | -                | -         | -            | ●    | ●     | ●    | ●        | ●            | ●               | -    | -    | -        | -          | -         | -         | ●         | ●            |   |
| caustic soda (10%)            | 20               | ○                             | -                    | -           | -              | -              | ●             | ●               | -              | -                 | -             | -           | -               | -                | -         | -            | ○    | ○     | ○    | ○        | ○            | ○               | ○    | ○    | -        | -          | -         | -         | ○         | ○            |   |
| nitric acid (3,5%)            | 20               | ○                             | -                    | -           | -              | -              | ○             | ○               | -              | -                 | -             | -           | -               | -                | -         | -            | ○    | ○     | ○    | ○        | ○            | ○               | ○    | ○    | -        | -          | -         | -         | ○         | ○            |   |
| ●                             | RESISTANT        | ○                             | MODERATELY RESISTANT | ○           | UNSTABLE       | ○              | VERY UNSTABLE | ○               | SOLUBLE        | -                 | NOT SPECIFIED |             |                 |                  |           |              |      |       |      |          |              |                 |      |      |          |            |           |           |           |              |   |



# CHEMICAL RESISTANT DATA SHEET

## FURTHER INFORMATION

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