

Nonionic Detergents

| Detergent | Cat. no. | M.W. (anhydrous) ^a | CMC (mM) ^b | Aggregation no. | Average micellar weight | Size |
|---|----------|----------------------------------|--------------------------|--------------------|----------------------------|--------|
| APO-10 | 178375 | 218.3 | 4.6 | 131 | 28,000 | 1 g |
| APO-12 | 178377 | 246.4 | 0.568 | 2232 | 500,000 | 1 g |
| Big CHAP | 200965 | 878.1 | 3.4 | 10 | 8,800 | 1 g |
| Big CHAP, Deoxy | 256455 | 862.1 | 1.1–1.4 | 8–16 | 10,500 | 250 mg |
| BRIJ® 35, PROTEIN GRADE® Detergent, 30% Solution | 203724 | – | 0.09 | 40 | 48,000 | 100 ml |
| BRIJ® 35, PROTEIN GRADE® Detergent, 10% Solution, Sterile-Filtered | 203728 | – | 0.09 | 40 | 48,000 | 1 L |
| C ₁₂ E ₅ | 205524 | – | – | – | – | 50 ml |
| C ₁₂ E ₆ | 205527 | 450.7 | 0.087 | – | – | 1 g |
| C ₁₂ E ₈ | 205528 | 538.8 | 0.11 | 123 | 66,000 | 1 g |
| C ₁₂ E ₉ | 205529 | 582.8 | 0.08 | – | – | 1 g |
| Cyclohexyl- <i>n</i> -ethyl-β-D-maltoside, ULTROL® Grade | 239774 | 452.5 | 120 | – | – | 1 g |
| Cyclohexyl- <i>n</i> -hexyl-β-D-maltoside, ULTROL® Grade | 239775 | 508.6 | 0.56 | 63 | 32,000 | 500 mg |
| Cyclohexyl- <i>n</i> -methyl-β-D-maltoside, ULTROL® Grade | 239776 | 438.5 | 340 | – | – | 1 g |
| <i>n</i> -Decanoylsucrose | 252721 | 496.6 | 2.5 | – | – | 1 g |
| <i>n</i> -Decyl-β-D-maltopyranoside, ULTROL® Grade | 252718 | 482.6 | 1.6 | – | – | 5 g |
| <i>n</i> -Decyl-β-D-thiomaltoside, ULTROL® Grade | 252725 | 498.6 | 0.9 | – | – | 1 g |
| Digitonin, High Purity | 300410 | 1229.3 | – | 5–6 | 7,000 | 500 mg |
| Digitonin, Alcohol-Soluble, High Purity | 300411 | 1229.3 | – | 5–6 | 7,000 | 250 mg |
| <i>n</i> -Dodecanoylsucrose | 324374 | 524.6 | 0.3 | – | – | 1 g |
| <i>n</i> -Dodecyl-β-D-glucopyranoside | 324351 | 348.5 | 0.13 | 200 | 70,000 | 1 g |
| <i>n</i> -Dodecyl-β-D-maltoside, ULTROL® Grade | 324355 | 510.6 | 0.1–0.6 | 98 | 50,000 | 500 mg |
| ELUGENT™ Detergent, 50% Solution | 324707 | – | – | – | – | 1 g |
| GENAPOL® C-100, PROTEIN GRADE® Detergent, 10% Solution | 345794 | 627.0 | – | – | – | 5 g |
| GENAPOL® X-80, PROTEIN GRADE® Detergent, 10% Solution | 345796 | 533.0 | 0.06–0.15 | – | – | 25 g |
| GENAPOL® X-100, PROTEIN GRADE® Detergent, 10% Solution | 345798 | 641.0 | 0.15 | 88 | 56,000 | 100 ml |
| <i>n</i> -Heptyl-β-D-glucopyranoside | 375655 | 278.3 | 79 | – | – | 50 ml |
| <i>n</i> -Heptyl-β-D-thioglucopyranoside, ULTROL® Grade, 10% Solution | 375659 | 294.4 | 30 | – | – | 1 g |
| <i>n</i> -Hexyl-β-D-glucopyranoside | 376965 | 264.3 | 250 | – | – | 10 ml |

| | | | | | | |
|---|--------|-------------|----------|---------|--------|---------|
| MEGA-8, ULTROL® Grade | 444926 | 321.5 | 58 | – | – | 1 g |
| | | | | | | 5 g |
| MEGA-9, ULTROL® Grade | 444930 | 335.5 | 19–25 | – | – | 1 g |
| | | | | | | 5 g |
| MEGA-10, ULTROL® Grade | 444934 | 349.5 | 56–7 | – | – | 1 g |
| | | | | | | 5 g |
| <i>n</i> -Nonyl-β-D-glucopyranoside | 488285 | 306.4 | 6.5 | – | – | 1 g |
| NP-40 | 492015 | 603.0 | 0.05–0.3 | – | – | 100 ml |
| | | | | | | 500 ml |
| NP-40, PROTEIN GRADE® Detergent, 10% Solution | 492017 | 603.0 | 0.05–0.3 | – | – | 1000 ml |
| <i>n</i> -Octanoyl-β-D-glucosylamine (NOGA) | 488100 | 305.4 | 80 | – | – | 50 ml |
| | | | | | | 500 mg |
| | | | | | | 1 g |
| | | | | | | 5 g |
| <i>n</i> -Octanoylsucrose | 494466 | 468.5 | 24.4 | – | – | 1 g |
| | | | | | | 5 g |
| <i>n</i> -Octyl-β-D-glycopyranoside | 494459 | 292.4 | 2025 | 84 | 25,000 | 1 g |
| | | | | | | 5 g |
| | | | | | | 25 g |
| <i>n</i> -Octyl-β-D-glucopyranoside, ULTROL® Grade | 494460 | 292.4 | 20–25 | 84 | 25,000 | 250 mg |
| | | | | | | 1 g |
| | | | | | | 5 g |
| <i>n</i> -Octyl-β-D-maltopyranoside | 494465 | 454.5 | 23.4 | 84 | 38,000 | 1 g |
| <i>n</i> -Octyl-β-D-thioglycopyranoside, ULTROL® Grade | 494461 | 308.4 | 9 | – | – | 5 g |
| | | | | | | 25 g |
| PLURONIC® F-127, PROTEIN GRADE® Detergent, 10% Solution | 540025 | – | 4–11 | – | – | 50 ml |
| TRITON® X-100 | 648462 | 625 (avg.) | 0.2–0.9 | 100–155 | 80,000 | 1 kg |
| TRITON® X-100, PROTEIN GRADE® Detergent, 10% Solution | 648463 | 625 (avg.) | 0.2–0.9 | 100–155 | 80,000 | 50 ml |
| TRITON® X-100, Molecular Biology Grade | 648466 | 625 (avg.) | 0.2–0.9 | 100–155 | 80,000 | 50 ml |
| TRITON® X-100, Hydrogenated | 648465 | 631 (avg.) | 0.25 | 100–155 | 80,000 | 10 g |
| TRITON® X-100, Hydrogenated, PROTEIN GRADE® Detergent, 10% Solution | 648464 | 631 (avg.) | 0.25 | 100–155 | 80,000 | 10 ml |
| TRITON® X-114, PROTEIN GRADE® Detergent, 10% Solution | 648468 | 537 (avg.) | 0.35 | – | – | 50 ml |
| TWEEN® 20 | 655205 | 1228 (avg.) | 0.059 | – | – | 250 ml |
| TWEEN® 20, Molecular Biology Grade | 655204 | – | 0.059 | – | – | 100 ml |
| TWEEN® 20, PROTEIN GRADE® Detergent, 10% Solution | 655206 | 1228 (avg.) | 0.059 | – | – | 50 ml |
| TWEEN® 80, PROTEIN GRADE® Detergent, 10% Solution | 655207 | 1310 (avg.) | 0.012 | 58 | 76,000 | 50 ml |
| <i>n</i> -Undecyl-β-D-maltoside, ULTROL® Grade | 662085 | 496.6 | 0.59 | – | – | 500 mg |
| | | | | | | 1 g |

^aAverage molecular weights are given for detergents composed of mixtures of chain lengths. ^b Temperature: 20–25°C.

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