

Milliken® Metal Carboxylates

PRODUCTS

PRODUCT	Drum Weight (lb.)	Pail Weight (lb.)	Appearance	Metal Content (%)	Non-Volatile Content	Specific Gravity (25°C)
CEM-ALL® LIQUIDS (SYNTHETICS)						
6% CALCIUM	400	35		Ca: 5.9-6.1	25-40%	0.882-0.941
8% CALCIUM	410	38		Ca: 7.9-8.1	35-50%	0.936-0.984
10% CALCIUM	450	40	Light yellow liquid	Ca: 9.9-10.1	50-60%	0.990-1.020
HEX-CEM® LIQUIDS (OCTOATES)						
5% CALCIUM	400	35	Light yellow liquid	Ca: 4.9-5.1	<=55%	0.882-0.941
12% CERIUM	480	42	Yellow liquid	Ce: 11.8-12.2	65-85%	1.000-1.100
6% COBALT	400	35	Purple liquid	Co: 5.9-6.1	26-36%	0.858-0.893
10% COBALT	425			Co: 9.8-10.2		0.912-1.008
12% COBALT	450	40	Purple liquid	Co: 11.9-12.1	60-68%	
6% IRON	420	35		Fe: 5.9-6.1	43-53%	0.900-0.940
15% POTASSIUM	470	45		K:14.9-15.2	>=92%	1.090-1.120
15% POTASSIUM WATER WHITE	470	45		J:14.9-15.2	>=85%	1.070-1.150
8% ZINC	400	35				
18% ZINC	490	42	<=6 gardnr	Zn: 17.8-18.2	75-85%	1.050-1.090
22% ZINC	510	47	Light white liquid	Zn: 22-23	>=95%	1.150-1.190
6% ZIRCONIUM	400	35		Zr: 5.9-6.1	17-27%	0.834-0.869
12% ZIRCONIUM	440	40		Zr: 11.8-12.2	38-48%	0.955-0.980
18% ZIRCONIUM	500	45	Light-colored liquid	Zr: 17.8-18.2	60-70%	1.090-1.110
24% ZIRCONIUM	550	50	Clear liquid	Zr: 23.8-24.2	80-90%	1.250-1.290
OTHER OCTOATES						
12% COBALT CATALYST 510	450	40		Co: 11.9-12.1	65-75%	1.000-1.050
NAP-ALL® LIQUIDS (NAPHTHENATES)						
6% COBALT	420	35		Co: 5.9-6.1	70%	0.918-0.953
8% COPPER	450	40		Cu: 7.9-8.2	<=85%	0.984-1.032
OTHER NAPHTHENATES						
NAP ACID #7	420			Acid: 220.0-220.7		

PRODUCT	Drum Weight (lb.)	Pail Weight (lb.)	Appearance	Metal Content (%)	Non-Volatile Content	Specific Gravity (25°C)
TEN-CEM® LIQUIDS (NEODECANOATES)						
21% COBALT HYDROXY	520	50	Blue liquid	Co: 20.8-21.3	75-85%	1.160-1.220
19% BARIUM (DRIER)	450			Ba: 18.7-19.3		1.061-1.172
12% COBALT	450	40	Blue/purple liquid	Co: 11.9-12.1	<=75%	
2% LITHIUM (WATER CARRIER)	470	40	Light straw-colored liquid	Li: 1.9-2.1	50-60%	1.010-1.040
18% ZINC	470	45		17.8-18.2	92-95%	1.080-1.120
10% COPPER	440	40		9.8-10.2		0.980-1.020
8% MANGANESE D60	400	40	Clear liquid	Mn: 7.8-8.2	55-75%	0.910-0.970
8% MANGANESE HS	440	44	Clear liquid	Mn: 7.8-8.2		0.976-1.036
OTHER NEODECANOATES						
BORCHI® KAT 315	475	43		Bi: 15.8-16.2	Min. 70%	1.08-1.11
HYDRO-CURE® LIQUIDS (WATERBORNE)						
5% COBALT (NAPHTHENATE)	420	37		Co: 4.9-5.1	45-60%	0.906-0.953
5% COBALT (OCTOATE)	420	36	Blue liquid	Co: 4.9-5.1	40-55%	7.35-7.84
10% COBALT	450	40	Blue/purple liquid	Co: 9.9-10.1	65-80%	0.990-1.040
5% MANGANESE	420	37		Mn: 4.9-5.1	52.20-65%	0.900-0.936
OTHER LIQUIDS						
BORCHERS® DRY 4012 AQUA US	460	40	Light yellow liquid	Zr: 11.8-12.2	80%	1.010-1.070
SPECIALTY CARBOXYLATES						
AOC 1020X	475	44		Al: 8.0-8.6		1.067-1.106
7% AOC E	425	40		Al: 6.7-7.3	50-70%	0.960-1.061
DIBUTYLTIN DILAURATE	450	44		Sn: 18.2-18.9	>=95%	1.02-1.07
DIBUTYLTIN DIACETATE	440	44		Sn: 34		1.260-1.380
RUBBER ADHESION						
9.5% COBALT STEARATE				Co: 9.2-9.7		0.998-1.103
MANOBOND® 680C				Co: 21.8-23.2		
20.5% COBALT NEODECANOATE SOLID				Co: 20-21		



Contact us for more information
chemical.milliken.com/contactus

Please contact your Milliken representative for further product information including chemical registrations, food contact status, and other regulatory details.
 PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.