

Metalworking Additives Technical Data Sheet - PHOSPHONATES

CUBLEN phosphonates combine antiwear performance with scale-inhibition and chelating properties for extended fluid and tool life. They can be used to prepare metal surfaces for final finishing, and in plating baths to control metal ion contamination.

Phosphonates are also widely used for cooling water treatment, metal cleaners, textile finishing and oil field drilling applications.

Product Name	Chemistry	State @ Room Temperature	Phosphorus Content, %	Color	pH*	Specific Gravity
CUBLEN A 4015 - US	Salt	Liquid	9.0	Colorless	10	1.43
CUBLEN AP 1	Acid	Liquid	4.2	Colorless	2	1.30
CUBLEN AP 5 -US	Acid	Liquid	4.2	Colorless	2	1.33
CUBLEN B 35 NA	Salt	Liquid	6.8	Amber	5	1.20
CUBLEN B 45	Acid	Liquid	10.2	Amber	2	1.22
CUBLEN B 730 NA	Salt	Liquid	5.4	Amber	7.5	1.20
CUBLEN CAP 364	Salt	Liquid	3.9	Yellow	7	1.09
CUBLEN D 3217 - US	Salt	Liquid	7.9	Amber	7	1.34
CUBLEN D 3217 N - US	Salt	Liquid	6.8	Amber	7	1.29
CUBLEN D 4217	Salt	Liquid	8.9	Amber	7	1.38
CUBLEN D 4512 - US	Salt	Liquid	11.3	Amber	2	1.36
CUBLEN D 5012 - US	Salt	Liquid	12.6	Amber	2	1.42
CUBLEN D 5113 - US	Salt	Liquid	10.9	Amber	2.5	1.40
CUBLEN DNC 450	Acid	Liquid	12.2	Amber	<2	1.49
CUBLEN E 3115	Salt	Liquid	7.0	Yellow	7	1.34
CUBLEN E 34135 P	Salt	Solid	7.0	White	12	0.90
CUBLEN F 3226	Salt	Liquid	5.5	Colorless	7	1.28
CUBLEN HPMA	Acid	Liquid	N/A	Amber	2.5	1.23
CUBLEN K 2012 - US	Salt	Liquid	2.5	Colorless	5	1.16
CUBLEN K 2222 - US	Salt	Liquid	4.8	Colorless	6	1.16
CUBLEN K 3014 - US	Salt	Liquid	6.3	Colorless	11	1.30
CUBLEN K 4023 - US	Salt	Liquid	9.1	Colorless	8	1.36
CUBLEN K 60 - US	Acid	Liquid	9.0	Colorless	2	1.45
CUBLEN K 8514 GR	Salt	Solid	17.9	White	11.5	0.90
CUBLEN K 9012 GR	Salt	Solid	11.2	White	5	1.00
CUBLEN KB 50 - US	Acid	Liquid	9.9	Amber	2	1.27
CUBLEN P 40 NA - US	Salt	Liquid	3.4	Colorless	9	1.34
CUBLEN P 50 - US	Acid	Liquid	5.8	Colorless	2	1.29
CUBLEN P 86NAP - US	Salt	Solid	7.4	White	5	0.90
CUBLEN R 40 NA - US	Salt	Liquid	7.8	Yellow	5	1.25
CUBLEN R 49 NA - US	Salt	Liquid	10.2	Yellow	5	1.31
CUBLEN R 50	Acid	Liquid	12.5	Yellow	<2	1.28
CUBLEN R 60	Acid	Liquid	14.9	Yellow	<2	1.37

*pH measured as 5% product in distilled water.

Please inquire about additional tailor-made products that can be made to fit your exact performance requirements.

CUBLEN is a trade name of Zschimmer & Schwarz Inc. Zschimmer & Schwarz Inc. and its marketing subsidiaries, affiliates, partners and suppliers, disclaim responsibility for results of use of the Materials or of any product, method, or apparatus mentioned herein. Nothing stated herein is to be considered a recommendation or inducement of any use, manufacture or sale that may infringe any patents or any other proprietary rights now or hereafter in existence. The Materials are intended to act as a guide for use at your discretion and risk. We assume no liability in connection with the use, or the utilization of the Materials or the methods or products described therein. Information pertaining to availability, pricing and technical assistance for these products can be obtained from the marketing department, through the nearest sales representative or authorized distributor. Copyright © 2020 Zschimmer & Schwarz Inc. | All Rights Reserved