

# Product Summary

## Chain extenders, Hardners

Product code	Contents	Applications	Remark
MF 100	Blocked amine	MOCA Alternative for water proof urethane and urea coating	
MF 100-2	Blocked amine	MOCA Alternative for water proof urethane and urea coating	
MF 201	Blocked amine	MOCA Alternative for floor coatings and urea coating	

## Amine curing agents

Product code	Contents	Applications	Remark
N 220	Complexed amine	Curing agent for high reactive 2K PU and urea coating	
N 420	Complexed amine	Curing agent for normal reactive 2K PU and urea coating	
N 520	Complexed amine	Curing agent for low reactive 2K PU and urea coating	
CA 300	Complexed amine	Non yellowing amine curing agent for epoxy resin	

## Defoamer

Product code	Contents	Applications	Remark
DF 030	Acrylic copolymer	Non silicon acrylic type defoamer	
DF 160	Fluorosilicon polymer	Epoxy, PU and UPR paints etc.	

## Leveling agent

Product code	Contents	Applications	Remark
L 045	45%	Leveling agent for coil and industrial coatings	
L 050	50%	Leveling agent for coil and industrial coatings	
L 075	75% High solid	Leveling agent for coil and industrial coatings	

## Blocked NCO

Product code	Contents	Applications	Remark
BN 200	Blocked NCO	Curing agent for <u>water borne</u> PU coatings	
TCB 100	Blocked NCO	Curing agent for <u>water borne</u> PU coatings	
BN 020	Blocked NCO	Curing agent for <u>solvent borne</u> PU coatings	



### Driers for Water borne paints

Metal	Product Name	Metal Content(%)	Applications	Remark
Cobalt Drier	COWD-A4	4 % Co	Main drier for paint Oxidation type Strong surface drier Discoloration can be occurred when over loaded	
Zirconium Drier	ROWD-B2	12% Zr	Polymer type drier Auxiliary drier (use with Cobalt drier) Good to film hardness Prevent poor dryness after long time store	
Mixed Drier	AMD 70 (Co/Li/Zr)	7%	Mixed drier	
	AMD 60(Co/Li/Zr)	6%		

### Driers for Printing Inks

Metal	Product Name	Metal Content(%)	Applications	Remark
Cobalt Drier	Co-Octoate	6,8,10,12% Co	Oxidation type	
	Co-Naphthenate	6,8% Co	Strong surface drier	
Manganese Drier	MNNL-A5	7% Mn	Oxidation type, Co-free driers for inks	
	Mn-Naphthenate	5,8,10% Mn	Surface drier	
Zinc Drier	Zn-Octoate	8,18,22% Zn	Auxiliary drier (use with Cobalt drier)	
	Zn-Naphthenate	10% Zn	Prevent color change to yellow	
Aluminum Catalyst	ALP 98	9.8% Al	Ink modifier for improving dispersion Aluminum Chelate	
Mixed Drier	MD 2000N (Zr/Co/Ca/etc)	5%	Mixed drier	
	MD 4001N (Co/Mn/Zr/etc)	12%		



## Driers for Solvent borne paints

Metal	Product Name	Metal Content(%)	Applications	Remark
Cobalt Drier	Co-Octoate	5,8,10,12% Co	Main dryer for paint Oxidation type	
	Co-Naphthenate	10% Co	Strong surface drier Discoloration can be occurred when over loaded	
Manganese Drier	Mn-Naphthenate	5,8,10% Mn	Surface drier Be aware coloration for white color paint	
Barium Drier	Ba-Octoate	12.5% Ba	Auxiliary drier (use with Cobalt drier) Prevent discoloration Prevent poor dryness after long time store	
Zirconium Drier	Zr-Octoate	12 % Zr	Polymer type drier Auxiliary drier (use with Cobalt drier) Good to film hardness Prevent poor dryness after long time store Non toxic drier	Pb alternative
Lead Drier	Pb-Octoate	24,42% Pb	Polymer type drier Promote through drying of film	
Bismuth Drier	Bi-Octoate	9,24% Bi	Catalyst for urethane	Pb alternative
	Bi-Neodecanoate	16, 20% Bi		
	JY-201 (Bi/Zn)			
Calcium Drier	Ca-Octoate	4% Ca	Polymer type drier , Good to film strength, Prevent crater Easy disperse of pigment by adding when pigment	
	Ca-Naphthenate	4,6% Ca	Prevent discoloration due to Co drier Prevent turbid by using with Pb drier	
Zinc Drier	Zn-Octoate	8,18,22% Zn	Polymer type drier Auxiliary drier (use with Cobalt drier)	
	Zn-Naphthenate	10% Zn	Prevent color change to yellow Good for long chain alkyd	
Copper Drier	Cu-Naphthenate	5,7,10% Cu	Insecticide for wood paint	
	Cu-Oleate	5% Cu		
Mixed Drier	MD 1000(Pb/Co/Ca)	12%	Mixed drier	
	MD 1000N(Zr/Co/Ca)	8%		
	MD 4000(Zr/Co/Ca)	4.6%		



### Bismuth curing agent

Product code	Contents	Applications	Remark
WBC 010	Bismuth complex	Bi curing agent for <u>water borne</u> PU coatings	
JY-106	Bismuth complex	Bi curing agent for <u>solvent borne</u> PU coatings(normal)	
BONL-C4	Bismuth complex	Bi curing agent for <u>solvent borne</u> PU coatings(High content)	

### Catalysts for Unsaturated Polyester Resins

Metal	Product Name	Metal Content(%)	Applications	Remark
Cobalt Catalyst	Co-Octoate	6,8,10,12% Co	Curing agent(using with organic peroxide)	
	Co-Naphthenate	6% Co	Oxidative catalyst	
	Co-Hydroxy Neodecanoate	21% Co	Prevent gel time drift	
Potassium Catalyst	K-Octoate	10,15% K	Enhance the ability of Cobalt catalyst better	



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