



Arkema's subsidiary MLPC International, France is the leading producer of rubber chemicals and polymer bound chemical masterbatches in Europe.

EKALAND: The Ekaland range includes secondary accelerators such as thioureas, thiurams, guanidines and dithiocarbamates as well as anti-oxidants and sulfur donors.

VULTAC: The Vultac range is used as accelerator cum tackifier for curing NR, IIR, etc. in applications such as tyres, inner tubes, latex threads, medical stoppers, etc.

MIXLAND: The use of polymer bound chemicals is being driven by greater emphasis on environmental concerns, shorter mixing cycles, better batch-to-batch uniformity and increased productivity. MLPC's patented polymer binder (acrylate) has better compatibility with other elastomers and provides lower mooney viscosity thus improving the quality of dispersion.

Base	Chemical Name	Chemicals	Polymer Bound Chemicals
CBS	N-cyclohexyl-2-benzothiazyl sulfenamide	-	CBS 80 GA F140
CDBC	Copper dibutyl dithiocarbamate	CDBC GR	-
CTPI (PVI)	N-cyclohexylthiophthalimide	-	CTPI 80 GA F500
DBTU	Dibutyl thiourea	DBTU CRA	-
DETU	1,3-diethyl thiourea	DETU CR	-
DOTG	Diorthotolyl guanidine	DOTG C	DOTG 75 GA F140
DPG	Diphenyl guanidine	DPG C/GC	DPG 80 GA F140
DPTT (TRA)	Dipentamethylenethiuram tetrasulfide	DPTT PD/C	DPTT 75 GA F140
DPTU	Diphenyl thiourea	DPTU PD	-
DTDM	4,4' -Dithiodimorpholine	DTDM PD/C	DTDM 80 GA F200
ETU (NA-22)	Ethylene thiourea	ETU C	ETU 80 GA F140 / F500
HMT	Hexamethylenetetramine	-	HMT 80 GA F500
MBT	2-Mercaptobenzothiazole	-	MBT 80 GA F140
MBTS	2,2' -Dibenzothiazole of disulfide	-	MBTS 75 GA F140
MMBI	Methyl-2-mercaptobenzimidazole	MMBI PD	MMBI 70 GA F200
NDBC (NBC)	Nickel dibutyl dithiocarbamate	NDBC C	NDBC 75 GA F200
OTOS	N-oxydiethylenethiocarbamyl-N-oxydiethylenesulfenamide	-	OTOS 75 GA F200
PBS-R	N-Phenyl-N (Trichloromethylsulfenyl)-benzenesulfonamide	-	PBS-R 80 GA F500
S	Sulphur	-	S 80 GA F500
		-	S M300 80GA F140
SD	5,5'-dithiobis(1,3,4-thiadiazole-2-thiol)	SD C	SD 75 GA F250
TBBS	N-ter.-butyl-2-benzothiazolesulphenamide	-	TBBS 75 GA F200
TBP /VULTAC	Disulfure de paratertiobutylphenol	VULTAC	TBP 75 GA F100
TBzTD	Tetrabenzyl thiuram disulfide	TBzTD C	TBzTD 70 GA F140
TDEC (TL-PT)	Tellurium diethyldithiocarbamate	TDEC PD/C	TDEC 75 GA F140
TMTD	Tetramethylthiuram disulfide	-	TMTD 80 GA F140
TMTM	Tetramethylthiuram monosulfide	TMTM C	TMTM 80 GA F500
ZBEC	Zinc dibenzyl dithiocarbamate	ZBEC PD/C	ZBEC 70 GA F100
ZDBC	Zinc dibutyl dithiocarbamate	ZDBC C	ZDBC 80 GA F140
ZDEC (ZDC)	Zinc diethyl dithiocarbamate	ZDEC C	ZDEC 75 GA F140
ZDMC	Zinc dimethyl dithiocarbamate	ZDMC C	ZDMC 75 GE F500
ZDTP	Zinc dialkyldithiophosphate	-	ZDTP 50 GA F500
ZNO	Zinc oxide	-	ZNO 80 GA F140