

As your end-customers are getting increasingly concerned about health, safety and environmental issues, MLPC International, a leader in the production of specialty rubber chemicals, is proposing a range of nitrosamine-free / safe products.



CHEMICAL NAME		SECURITY LABELLING		NA	CAN REPLACE	USED WITH
		GHS	CLP			
BQD 30 DS / 30 DX / 50 HU	Parabenzquinone-dioxime	Xn		free		XIIR, NR
DATU LI	Blend of Alkil thiourea	Xn		free		CR
DBTU CRA	N, N'-dibutyl thiourea	Xi	SGH07	free		NR, SBR, NBR, IR, BR, CR
DETU CR	N, N'-Diethyl thiourea	Xn	SGH08+ SGH05 + SGH07	free		CR, NR, SBR, NBR, EPDM
DMTU CR	1,3-dimethyl thiourea	Xi	SG07	free		CR
DOTG C	Diorthotolyl guanidine	T		free		CR, NR, SBR
DOTTU CR	Diorthotolyl thiourea			free		CR
DPG C / GC	Diphenyl guanidine	Xn, N		free		NR, SBR, BR, CR, NBR
DPG PD	Diphenyl guanidine	Xn, N	SGH08 + SGH09 + SGH07 ; H319 ; H335; H361 ; H411 ; H302 ; H315	free		NR, SBR, BR, CR, NBR
DPTU PD	N,N'-diphenyl thiourea	Xi	SGH07	free	ETU (in EPDM compounds)	NR, SBR, NBR, EPDM
ETU C	1,3-Ethylene thiourea	T		free		CR, CSM, CO, EPDM
ETU PD	1,3-Ethylene thiourea	T	SGH08 + SGH07; H302 ; H360 ; H372 ; H412	free		CR, CSM, CO, EPDM
PPDN 30 DX / 50 HU	Poly paradinrosobenzene	Xn + F		free	TDEC in EPDM	for adhesion systems
ROSINOX	Para tertibutylphenol disulfide polymer	Xi	SGH07 ; H317	free		Rosin dismutation
TBzTD C	Tetrabenzyl thiuram disulfide			safe	TMTD	CR, NR, IR, BR, SBR, NBR, EPDM
ZBEC C	Zinc dibenzyl dithiocarbamate			safe	ZDMC, ZDEC, TMTM, ZDBC	NR, SBR, NBR, IR, BR, CR, EPDM



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		GHS	CLP			
VULTAC 2	Poly-tert-amyphenoldisulfide		SGH07	free	DTDM, TMTD, OTOS	NR, SBR, NBR
VULTAC 3	Poly-tert-amyphenoldisulfide		SGH07	free	phenolic resins	BIIR, CIIR, EXXPRO in pharma
VULTAC 5	Mixture of poly-tert-amyphenoldisulfide and silica gel	Xi		free	DTDM, TMTD, OTOS	NR, SBR, NBR, CIIR, BIIR
VULTAC 710	Mixture of poly-tert-amyphenoldisulfide and stearic acid	Xi		free	phenolic resins	BIIR, CIIR, EXXPRO in pharma
VULTAC TB7	Poly-tert-butylphenoldisulfide	Xi	SGH07	free	DTDM, TMTD, OTOS	NR, SBR, NBR, BIIR, CIIR
VULTAC TB710	Mixture of poly-tert-butylphenoldisulfide and stearic acid	Xi		free	DTDM, TMTD, OTOS	NR, SBR, NBR, BIIR, CIIR



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		GHS	CLP			
AZTF	Azobisformamide	Xn		free		NR, SBR, NBR, IRR, CR, EPDM
CBS	N-cyclohexyl-2-benzothiazylesulfenamide	Xi, N		free	MBS, DIBS, TBBS	NR, IR, BR, SBR, NBR, IIR, EPDM
CTPI	N-cyclohexylthiophthalimide	Xi, N		free		NR, SBR, NBR, IR, BR, CR, EPDM
DOTG	Diorthotolyl guanidine	T		free		CR, NR, SBR, ACM
DPG	Diphenyl guanidine	Xn, N		free		NR, SBR, BR, CR, NBR
DPTU	N,N'-diphenyl thiourea	Xi		free		NR, SBR, NBR, EPDM
ETU	1,3-Ethylene thiourea	T		free		CR, CSM, CO, EPDM
HMT	Hexamethylene tetramine	F, Xn		free		CR, EPDM, SBR, BR, NBR
MBT	2-Mercaptobenzothiazole	Xi, N		free	MBS, CBBS	NR, IR, BR, SBR, NBR, IIR, EPDM
MBTS	Mercaptobenzothiazole disulfide	Xi, N		free	MBS, CBBS	NR, IR, SBR, BR, NBR, EPDM, CR
MMBI	Methyl-2-mercaptobenzimidazole	Xn		free		NR, IR, BR, SBR, NBR
PBS-R	N-Phenyl-N-(trichloromethylsulfenyl)-benzene-sulfonamide			free		NR, SBR, EPDM, BR, IR, NBR
Soufre	Sulphur			free		NR, SBR, EPDM, BR, IR, NBR, CR
TBBS	N-tert-butyl-2-benzothiazolesulfenamide	Xi		safe	MBS	NR, IR, SBR, BR, NBR, EPDM
TBP 75	Poly-tert-butylphenoldisulfide	Xi		free	TMTD, sulfur donors, OTOS	NR, IR, SBR, NBR, EPDM
TBzTD	Tetrabenzyl thiuram disulfide			safe	TMTD	NR, IR, BR, SBR, NBR, EPDM
ZBEC	Zinc-dibenzyl dithiocarbamate			safe	ZDMC, ZDBC, ZDEC, TMTM	NR, SBR, NBR, IR, BR, CR, EPDM
ZDTP	Zinc dialkyldithiophosphate	Xi		free	Dithiocarbamates + sulfur donors	NR, SBR, NBR, IR, BR, EPDM
ZNO	Zinc oxide	N		free		Various rubbers