

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.



NA FREE/SAFE	CHEMICAL NAME	SECURITY LABELLING	NA	CAN REPLACE	USED WITH
Bis- DMTD	5,5-dithio-bis-(1,3,4-thiadiazol-2-thiole)		free		NR, SBR, NBR, IR, BR, CR, EPDM
BQD	Parabenzoquinone-dioxime	Xn	free		XIIR, NR
CDBC	Copper dibutyl dithiocarbamate	Xi	generator		NBR
DATU	Blend of Alkil thiourea	Xn	free		CR
DBTU	N, N'-dibutyl thiourea	Xn	free		NR, SBR, NBR, IR, BR, CR
DETU	N, N'-Diethyl thiourea	Xn	free		CR, NR, SBR, NBR, EPDM
DMTU	1,3-dimethyl thiourea		free		CR
DOTG	Diorthotolyl guanidine	T	free		CR, NR, SBR
DOTTU	Diorthotolyl thiourea		free		CR
DPG	Diphenyl guanidine	Xn, N	free		NR, SBR, BR, CR, NBR
DPTT	Dipentamethylenethiuram hexasulfide		generator		NR, SBR, NBR, IR, BR, CR
DPTU	N,N'-diphenyl thiourea	Xi	free	ETU (in EPDM compounds)	NR, SBR, NBR, EPDM
DTDM	Dithiodimorpholine	Xi, N	generator		NR, SBR, NBR, IR, BR
EITC	Ethyl isothiocyanate		not concerned		
ETU	1,3-Ethylene thiourea	T	free		CR, CSM, CO, EPDM
MITC	Methyl isothiocyanate	T	not concerned		
MMBI	Methyl-2-mercaplobenzimidazole	Xn	free		NR, IR, BR, SBR, NBR, latex
MTSC	4-methyl thiosemicarbazide	T+, N	not concerned		
NDBC	Nickel dibutyl dithiocarbamate		generator		ECO, CM
NITROSO	N-nitroso diphenylamine		generator		Various rubbers
NTT30	Sodium Thiocyanate 30%	Xn	not concerned		
PITC	Propyl isothiocyanate	F, C	not concerned		
PPDN	Poly paradinitrosobenzene	Xi	free		for adhesion systems
ROSINOX	Para tertibutylphenol disulfide polymer	Xi	free		Rosin dismutation
SODIUM SULFATE	Sodium Sulfate 20% solution	Xi	not concerned		
SODIUM HYDROSULFIDE	Sodium hydrosulfide	C	not concerned		
TDEC	Tellurium diethyl dithiocarbamate		generator		EPDM, CR
TSC	Thiosemicarbazide	T	not concerned		
TMTM	Tetramethyl thiuram monosulfide	Xn, N	generator		NR, IR, SBR, BR, NBR, EPDM
ZBEC	Zinc dibenzyl dithiocarbamate		safe	ZDMC, ZDEC, TMTM, ZDBC	NR, SBR, NBR, IR, BR, CR, EPDM
ZDBC	Zinc dibutyl dithiocarbamate	Xi, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZDEC	Zinc diethyl dithiocarbamate	Xi, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZDMC	Zinc dimethyl dithiocarbamate	T+, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZEPC	Zinc ethyl phenyl dithiocarbamate		generator		NR, SBR, NBR, IR, BR, CR, EPDM

Discover the new option
VULTAC®

NA FREE/SAFE	CHEMICAL NAME	SECURITY LABELLING	NA	CAN REPLACE	USED WITH
VULTAC 2	Poly-tert-amylphenoldisulfide		free		NR, SBR, NBR
VULTAC 3	Poly-tert-amylphenoldisulfide		free	MBTS, phenolic resins	BIIR, CIIR, EXXPRO in pharma
VULTAC 5	Mixture of poly-tert-amylphenoldisulfide and silica gel		free	DTDM	NR, SBR, NBR, CIIR, BIIR
VULTAC 710	Mixture of poly-tert-amylphenoldisulfide and stearic acid		free	MBTS, phenolic resins	BIIR, CIIR, EXXPRO in pharma
VULTAC TB7	Poly-tert-butylphenoldisulfide	Xi	free	DTDM, TMTD	NR, SBR, NBR, BIIR, CIIR
VULTAC TB710	Mixture of poly-tert-butylphenoldisulfide and stearic acid	Xi	free	DTDM	NR, SBR, NBR, BIIR, CIIR

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AZTF	Azobisformamide	Xn	free		NR, SBR, NBR, IR, BR, CR, EPDM
CBS	N-cyclohexyl-2-benzothiazylesulfenamide	Xi, N	free	MBS, DIBS	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
DPG	Diphenyl guanidine	Xn, N	free		NR, SBR, BR, CR, NBR
DPTT	Dipentamethylenethiuram hexasulfide		generator		NR, SBR, NBR, IR, BR, CR
DPTU	N,N'-diphenyl thiourea	Xi	free		NR, SBR, NBR, EPDM
DTDM	Dithiodimorpholine	Xi, N	generator		NR, SBR, NBR, IR, BR
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
NDBC	Nickel dibutyl dithiocarbamate		generator		ECO, CM
OTOS	N-oxydiethylenethiocarbamyl-N-oxydiethylebesulfenamide	T	generator		NR, SBR, NBR, IR, BR
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	free	MBS	NR, IR, SBR, BR, NBR, EPDM
TBP 75	Poly-tert-butylphenoldisulfide	Xi	free	TMTD ; sulfur donors, OTOS	NR, SBR, NBR, EPDM
TBzTD	Tetrabenzyl thiuram disulfide		safe	TMTD	NR, IR, BR, SBR, NBR, EPDM
TDEC	Tellurium diethyl dithiocarbamate		generator		EPDM, CR
TMTD	Tetramethyl thiuram disulfide	Xn, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
TMTM	Tetramethyl thiuram monosulfide	Xn, N	generator		NR, IR, SBR, BR, NBR, EPDM
TTC-R	1,2,3,6-tetrahydro-N-(trichloromethylthio) phthalimide	Xn, N	free	PBR-S	NR, NBR, EPDM, SBR
ZBEC	Zinc-dibenzyl dithiocarbamate		safe	ZDMC, ZDBC, ZDEC, TMTM	NR, SBR, NBR, IR, BR, CR, EPDM
ZDBC	Zinc dibutyl dithiocarbamate	Xi, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZDEC	Zinc diethyl dithiocarbamate	Xi, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZDMC	Zinc dimethyl dithiocarbamate	T+, N	generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZDTP	Zinc dialkyldithiophosphate	Xi	free	Dithiocarbamates + sulfur donors	NR, SBR, NBR, IR, BR, EPDM
ZEPC	Zinc ethyl phenyl dithiocarbamate		generator		NR, SBR, NBR, IR, BR, CR, EPDM
ZNO	Zinc oxide	N	free		Various rubbers