

03-05-01		WW/NORTH AMERICAN NON-PRODUCTION MATERIAL SPECIFICATIONS		PAGE 1	
C A		CLASSIFICATION MR CASTING AND STEEL MANUF PROCESS MATLS		RESP/USING	
T C		SPECIFICATION TITLE		ACTIVITIES	
L T		NUMBER		2ABDEFGHKMTUVW	
N A	MRX	CLAUSES, STANDARD, FOR USE IN MANUFACTURING STANDARDS,		87-09-01	2
N A	M3R7-A	FLUORSPAR - FOUNDRY GRADE,		90-10-01	E
N A	M3R11-C	LIMESTONE,		91-10-01	2
N A	M3R13-A	FLUORSPAR BRIQUETTES AND PELLETS,		90-10-01	E
N A	M3R13-B	FLUORSPAR BRIQUETTES AND PELLETS,		90-10-01	E
N A	M3R18-A	CLEANING FLUX - ALUMINUM DIE CASTING,		90-10-01	H
N A	M4R5-A	CORE PATCHING MUD,		92-03-01	D
N A	M4R13-A	CORE WASH - GRAPHITE BASE (POWDER TYPE),		92-03-01	D
N A	M4R28-A	BANK SAND FOR GENERAL FOUNDRY USE,		90-10-01	E
N A	M4R28-B	BANK SAND FOR GENERAL FOUNDRY USE,		90-10-01	E
N A	M4R30-A	SHARP SAND,		00-11-29	2
N A	M4R31-A	MOLD SPRAY - CARBON BASE (POWDER),		90-10-01	E
N A	M4R32-A	MOLD SPRAY - CARBONACEOUS BASE,		92-03-01	E
N A	M4R32-B	MOLD SPRAY - CARBONACEOUS BASE,		92-03-01	E
N A	M4R36-A	CORE WASH - CARBON MODIFIED SILICAN FLOUR BASE (PASTE TYPE),		92-03-01	E
N A	M4R36-B	CORE WASH - CARBON MODIFIED SILICA FLOUR BASE (PASTE TYPE),		92-03-01	E
N A	M4R38-A	HEXAMETHYLENETETRAMINE,		90-10-01	E
N A	M4R39-A	SILICA SAND - AFS 75,		90-10-01	E
N A	M4R40-A	CORE JOINT SEALER,		90-10-01	E
N A	M4R41-A	PHENOLIC RESIN FOR SHELL MOLDS,		91-07-01	E
N A	M4R42-A	SAND CONDITIONING OIL,		90-10-01	E
N A	M4R47-A	CALCIUM STEARATE - AQUEOUS SUSPENSION,		90-10-01	E
N A	M4R49-A	FATTY ACID RELEASE AGENT,		90-10-01	E
N A	M4R52-A	CORE WASH - CARBON MODIFIED SILICA FLOUR BASE (POWDER TYPE),		92-03-01	E
N A	M4R53-A	CORE BINDER - EXOTHERMIC LIQUID RESIN & ACCELERATOR,		90-10-01	E
N A	M4R54-A	CORE WASH - SILICA FLOUR MODIFIED CARBON BASE (POWDER TYPE),		92-03-01	E
N A	M4R55-A	GLUTRIN - WATER SOLUBLE BINDER,		90-10-01	E
N A	M4R56-A	LIQUID CORE BINDER-EXOTHERMIC (AND CATALYST),		90-10-01	E
N A	M4R59-A	LINSEED OIL CONCENTRATE,		90-10-01	E

3-05-01		WW/NORTH AMERICAN NON-PRODUCTION MATERIAL SPECIFICATIONS			PAGE 2	
C A		CLASSIFICATION MR	CASTING AND STEEL MANUF	PROCESS MATLS	SPEC	RESP/USING
T C	SPECIFICATION				REVISED	ACTIVITIES
L T	NUMBER	SPECIFICATION TITLE			DATE	2ABDEFGHKMTUVW
N A	M4R60-A	CORE WASH - GRAPHITE BASE (PASTE TYPE) ,			90-10-01	E
N A	M4R69-A	CORE PASTE,			90-10-01	E
N A	M4R70-A	SILICA FLOUR BASE CORE WASH AND MOLD SPRAY,			90-10-01	E
N A	M4R71-A	SILICA FLOUR BASE CORE WASH AND MOLD SPRAY,			90-10-01	E
N A	M4R72-A	RED IRON OXIDE,			90-10-01	E
N A	M4R86-A	SAND - ZIRCONIA,			87-06-01	2
N A	M7R19-A	BRICK - FIRECLAY - LADLE QUALITY,			86-10-01	B
N A	M7R19-B	BRICK - FIRE CLAY - LADLE QUALITY,			86-10-01	B
N A	M7R19-C	BRICK - FIRE CLAY - LADLE QUALITY,			86-10-01	B
N A	M7R19-D	BRICK - FIRE CLAY - LADLE QUALITY,			86-10-01	B
N A	M7R19-E	BRICK FIRE CLAY, LADLE QUALITY HIGH ALUMINA TAR IMPREGNATED,			86-10-01	2
N A	M7R27-A	BRICK - FIRE CLAY SUPER DUTY,			86-03-01	2
N A	M7R28-A	PASTE - CARBON PLASTIC,			86-03-01	E
N A	M7R41-A	BRICK MULLITE,			86-03-01	2
N A	M7R81-A	MAGNESITE GRAIN - DEAD BURNED - HIGH MAGNESIA,			87-11-01	2
N A	M7R87-A	MEDIUM MAGNESIA GUNNING MIX,			86-03-01	2
N A	M7R107-A	GRAPHIC PLASTIC RAMMING MATERIAL,			86-03-01	B
N A	M7R107-B	GRAPHIC PLASTIC RAMMING MATERIAL,			86-03-01	B
N A	M7R173-A	KAOLIN FIRE BRICK - BLAST FURNACE - SUPER DUTY,			87-11-01	B
N A	M7R188-A	MORTAR - HIGH ALUMINA,			87-03-01	B
N A	M7R190-A	BRICK - MAGNESITE - ELECTRIC FURNACE,			87-06-01	B
N A	M7R190-B	BRICK - MAGNESITE - ELECTRIC FURNACE,			87-06-01	B
N A	M7R190-C	BRICK - MAGNESITE - ELECTRIC FURNACE,			87-06-01	B
N A	M7R208-A	REFRACTORY-BLAST FURNACE TROUGH LINING,			86-03-01	2
N A	M7R208-B	REFRACTORY-BLAST FURNACE TROUGH LINING,			86-03-01	2
N A	M7R208-C	REFRACTORY-BLAST FURNACE TROUGH LINING,			86-03-01	2
N A	M7R214-A	CASTABLE - HIGH ALUMINA - TEEMING LADLE COVERS,			87-03-01	2
N A	M7R215-A	BRICK-CARBON MAGNESITE, RESIN BONDED WITH ALUMINUM,			87-11-01	2
N A	M7R215-B	BRICK-CARBON MAGNESITE, RESIN BONDED WITH ALUMINUM,			87-11-01	2