

NARCO CONFIDENTIAL-RESTRICTED



NARCOGUN SD-336

Made at: Mt. Union, PA

PRODUCT LIFE: NOV. 11, 1964 TO JAN. 17, 1986

ASBESTOS DATES: NOV. 11, 1964 TO JAN. 11, 1977

NARCOGUN SD-336 MIXES: 336

336A

336B

336C

NORTH AMERICAN REFRACTORIES COMPANY

Mix Instructions

NARCO CONFIDENTIAL-RESTRICTED

Plant Mount UnionDate September 3, 1970Brand Narcoquar SD-336Mix No. 336 AProcess Phosphate-bonded (dry)

Burn _____

Silica Gum Mix

Shrinkage _____

EXPERIMENTAL MIX

Silica Bats	- 3 mesh	67%
Potters Flint (Superil)		20
Hector Bentonite		4
Periclase	ASF	5
7K05 Asbestos		1
* Sodium acid phosphate (NaH_2PO_4)		<u>3</u>
		100%
** Brite-Sorb 20		0.25% added

Special Instructions Asbestos should be shredded into mix by hand to break up lumps. * Monsanto Chem. Corp. "Monosodium phosphate anhydrous (MSP), Regular granular, Code 140".

Control Specifications ** Allegheny Industrial Chem. Co., Butler, N.J.

Change to add Brite-Sorb 20 for improved storage.

Signed

Robert L. Hess

RESEARCH

Replaces Exptl Mix dated

Nov. 11, 1964

NORTH AMERICAN REFRACTORIES COMPANY

Mix Instructions

NARCO CONFIDENTIAL-RESTRICTED

Plant MT. Union, Pa

Date 1-11-77

Mix No. NARCO 5D-226

Mix No. 326 B

Process Phosphate-loaded

Burn

dry silica gun mix

Shrinkage

EXPERIMENTAL MIX

Silica bats	-1/8"	67.0%	1005
Potters Flint (Supersil)		19.5	300
Hector Bentonite		4.0	60
Periclase	ASF	5.0	75
Attagol 50 ^u		1.5	23
Sodium Acid Phosphate (NaH_2PO_4) ^u		<u>3.0</u>	<u>45</u>
		100.0%	1508
Magnocool-Industrial Grade		C. 2583 again 3 3/4	

Special Instructions "Vent Horn, Mont. & Co., 1612, Potomac Ave, Pitts-

burgh, Pa 15216; "^uMonsieur Chemical Co's "Monsieur Phosphate
Nitrohydrox. (MSR), regular granular, Code 110"; "^uUniversity Chem.

Control Specifications Co., Mamaroneck, N. Y. 10543

Reinstitution of mix (conducted)
for trial production Sep letter
Research to Mt. Union did 1-22-77)

Signed Robert A. Hesse
RESEARCH

NARCO CONFIDENTIAL-RESTRICTED

NORTH AMERICAN REFRACTORIES COMPANY

MIX INSTRUCTIONS

PLANT <u>Curwensville, Pa.</u>	DATE <u>June 2, 1964</u>
BRAND <u>Super 505 Hot Gun C</u>	MIX NO. <u>396 A</u>
PROCESS _____	BURN _____
_____	SHRINKAGE _____

EXPERIMENTAL MIX

Calcined Flint Clay	- 8m.	75%
Turner Soft Clay	- 20m	25%
85% Phosphoric Acid		4% (added)
7K05 Asbestos		1% (added)

SPECIAL INSTRUCTIONS To be packaged 100 lbs per bag

CONTROL SPECIFICATIONS

SIGNED Robert L. Nease
Research

Replaces sheet
dated May 16, 1963

6/2/64
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NARCO CONFIDENTIAL-RESTRICTED

NORTH AMERICAN REFRACTORIES COMPANY

MIX INSTRUCTIONS

PLANT Mount Union

DATE November 11, 1964

BRAND NARCOGUN SD-336

MIX NO. 336

PROCESS Phosphate-bonded (dry)

BURN

Silica gun mix

SHRINKAGE

EXPERIMENTAL MIX

Silica Bats	-3 mesh	67%
Potters Flint (Superil)		20%
Nector Bentonite		4%
Periclase	ASF	5%
TK05 Asbestos		1%
* Sodium Acid Phosphate (NaH_2PO_4)		3%
		100%

SPECIAL INSTRUCTIONS Asbestos should be shredded into mix
by hand to break up lumps. * Purchased from Monsanto Chem. Co.
as "monosodium phosphate regular ground code 140".

CONTROL SPECIFICATIONS

Based on W.O. 336 dated
7-27-64

SIGNED Robert L. Hess
Research