



**CORTEC**  
CORPORATION

Environmentally Safe VpCI™/MCI® Technologies

## MCI 2005 NS SHRINKS 30% LESS THAN DCI!

During the Wells Fargo parking ramp project, concrete was tested for shrinkage. The concrete suppliers switched to MCI 2005 NS early in the project. Shrinkage tests were run and allow a comparison. Mix design and shrinkage data for Wells Fargo parking ramp project is as follows.

<u>INGREDIENT</u>	<u>MCI 2005 NS</u>	<u>DCI</u>
LaFarge Cement	560#	560#
Portage Fly Ash	90#	90#
#4 Gravel	667#	667#
#67 Gravel	636#	636#
3/8" Gravel	454#	454#
Safety Grit	394#	394#
Sand	900#	900#
Enduracon HR	72 oz/yd <sup>3</sup>	---
Euclid WR75	---	72 oz/yd <sup>3</sup>
Euclid HR Eucon 37	---	34 oz/yd <sup>3</sup>
Euclid AirMix 250	7 oz/yd <sup>3</sup>	7 oz/yd <sup>3</sup>
MCI 2005 NS	1.5 pints/yd <sup>3</sup>	---
DCI	---	3 Gallons/yd <sup>3</sup>
Water	220#	220#
W/C	0.34	0.34
<b>SHRINKAGE AT 28 DAYS</b>	<b>0.035%</b>	<b>0.046%</b>



**SODIUM NITRITE, 5.1, UN1500, PGIII, OXIDIZER/TOXIC**  
**98 %-120 MESH**

Lot No: **NANI-03-171**

**RQ: 100(45.4)**

Net Wt. **50 LBS.**

CAS#: 7632-00-0  
FW: 69.00

RTECS#: RA 1225000  
MERK INDEX: 9,8407

Emergency Contact: **CHEMTREC: 1-800-424-9300**  
**CHEMTREC INTERNATIONAL: (703) 527-3887**

**HEALTH HAZARDS & FIRST AID:**

MATERIAL IS DANGEROUS IF INHALED! IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNT OF WATER, FOR AT LEAST 15 MINUTES IN CASE OF CONTACT EXPOSURE. MATERIAL IS IRRITATING TO THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. EXPOSURE SYMPTOMS MAY INCLUDE - BURNING SENSATION, COUGHING, WHEEZING, SHORTNESS OF BREATH, HEADACHES, LARYNGITIS, NAUSEA AND VOMITING, DIURESIS, ANEMIA, METHEMOGLOBINEMIA, NEPHRITIS, GASTROENTERITIS AND VASODILATION. IF MATERIAL HAS BEEN INHALED, REMOVE SUBJECT TO FRESH AIR. IF SUBJECT IS NOT BREATHING GIVE ARTIFICIAL RESPIRATION - PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT OXYGEN SHOULD BE SUPPLIED. CONTAMINATED CLOTHING SHOULD BE REMOVED AND THOROUGHLY CLEANED BEFORE REUSE. CALL A PHYSICIAN! WASH THOROUGHLY AFTER HANDLING.

**INCOMPATIBILITIES:** ACIDS, ACID ANHYDRIDES, FUELS, (REDUCING AGENTS). EXPLOSIVE MIXTURES MAY RESULT FROM IMPROPER HANDLING!

**PRODUCTS OF DECOMPOSITION:** OXIDES OF SODIUM AND NITROGEN.

**HANDLING & STORAGE:** APPROPRIATE OSHA/MSHA APPROVED RESPIRATOR, CHEMICALLY RESISTANT GLOVES, CHEMICAL GOGGLES AND OTHER APPROPRIATE PROTECTIVE CLOTHING (RUBBER APRON OR OVERWEAR) SHOULD BE WORN. MECHANICAL EXHAUST IS REQUIRED. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE DUST. AVOID PROLONGED AND REPEATED EXPOSURE. HYGROSCOPIC. KEEP CONTAINERS SEALED. STORE IN COOL DRY PLACE. OBSERVE PROPER PERSONAL HYGIENE. SAFETY SHOWER SHOULD BE AVAILABLE. THE PREFERRED FIRE EXTINGUISHING MEDIA IS WATER, DRY CHEMICAL POWDER, CARBON DIOXIDE OR POLYMER FOAM. MATERIAL IS NONCOMBUSTIBLE. PROTECT ADJACENT AREA!

**\*\*\* INDUSTRIAL OR MANUFACTURING USE ONLY \*\*\***

