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## TECHNICAL INFORMATION

### Shake-N-Cast™

Catalog Nos. SNC42, SNC428, SNC100

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### INTRODUCTION

Shake-N-Cast™ is the most complete impression casting kit available today! The No. SNC42 kit features a self-contained, pre-measured water capsule and dental stone\* casting material packaged in a single,

heavy-duty plastic pouch. This incredibly simple-to-use kit eliminates all the mess and guess-work inherent with many other casting mediums. No need to worry about whether the mixture is *the consistency of pancake batter*. (If you've never made pancakes, how would you know if it's right!)



No. SNC42 kit contains 2 lbs. (32 oz.) of dental stone and 14 fluid oz. of liquefier, factory sealed in a tough plastic pouch. One kit is sufficient for casting a full-sized, adult shoe print (SNC428 contains 8 kits). Simply apply pressure to break the water capsule, shake and knead the container for up to two minutes, cut off a corner of the pouch and pour it into the impression. When working in loose, dry soil or sand, we recommend preparing the impression with SIRCHIE's Aerosol Dust and Dirt Hardener (No. 638CA).

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For the ultimate in convenience and utility, the No. SNC100 Master Shake-N-Cast™ Impression Kit contains the most often needed materials for tire and footwear casting. The kit consists of 5 pre-measured pouches, 2 cans of No. 638CA for preparing impressions in loose or sandy soil, one can of Silicone Release Agent (No. SRA10) to simplify cast removal and cleanup, 2 cans of Snow Impression Wax for casting in ice or snow, and 2 casting frames (Nos. FCF100, FCF200)—one for footprints and one for tire tracks.

*\*Special Note: Most crime labs and crime scene techs prefer dental stone casting material over Plaster of Paris because it is many times stronger and shrinkage is minimal.*

## **PRECAUTIONS**

- Before using this kit, consult the appropriate Material Safety Data Sheets (MSDS) found on our website at [www.sirchie.com](http://www.sirchie.com) and click on MSDS.
- Contains gypsum. May be harmful if it is ingested. In case of ingestion, contact a physician.
- The casting material may cause skin, eye and respiratory tract irritation. In case of eye or skin contact, flush with water for at least 15 minutes and contact a physician.
- As this material hardens it will generate heat. This is a normal reaction.

## **PROCEDURE**

Preparing The Surface:

1. When working in loose or sandy soil, apply up to 3 coats of Aerosol Dust & Dirt Hardener No. 638CA (STEP 1).
2. Apply one thin coat of Silicone Release Agent No. SRA10.

Preparing The Casting Material:

1. Place the unopened pouch on a hard, flat, smooth surface.



*STEP 1: Apply Dust & Dirt Hardener onto shoe print.*



*STEP 2: Press bag to break internal water capsule.*



*STEP 3: Shake and then knead bag for 1-2 minutes.*



*STEP 4: Pour into impression (optional equipment shown).*

- Using the heel of your hand, press on the center of the pouch in order to break the water capsule (STEP 2).
- Shake the pouch for about 30 seconds then knead it vigorously for 1½ minutes (STEP 3). Be certain to knead any casting material that has accumulated in the corners.
- After mixing, cut off one corner of the pouch with scissors or a knife. **Do not attempt to tear the bag.**

#### Making A Cast of Impression Evidence:

- Pour the mixed casting material in such a way that the mixture flows over the actual impression. Pouring the casting material directly onto the impression may cause it to collapse. If the surface holding the impression is flat, break the fall by pouring the casting material into a large spoon held no more than one inch above the impression (STEP 4). The resulting cast should be ½ to ¾ inch thick. If casting a large impression, prepare two or more pouches for casting.

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2. Allow at least 30 minutes curing time.
3. Carefully lift the cast from the impression, invert it and allow an additional 30 minutes for the bottom side to dry.
4. Allow casts to dry a full 24 hours before sending them to the crime laboratory or before performing any attempts at identification.



*Cast  
made  
using  
No.  
SNC100.*

### **SNC100 CONTENTS:**

- 5- SNC42 Shake-N-Cast™ Impression Kits, Net Wt. 42 oz. (1191.7g)
- 1- FCF100 Adjustable Casting Frame, 7.25" x 12"-18" (18.4cm x 30.5cm-45.7cm)
- 1- FCF200 Adjustable Casting Frame, 12" x 18"-24" (30.5cm x 45.7cm-61cm)
- 2- 638CA Aerosol Dust & Dirt Hardener, Net Wt. 15 oz. (425g)
- 2- SP1000 Snow Impression Wax, Net Wt. 15 oz. (425g)
- 1- SRA10 Aerosol Silicone Rubber Release Agent, 4.5 oz. (133ml)
- 1- KCP142 Steel Spoon
- 1- ESP30W Photo Scales, 10 pk.
- 1- 608E1 Evidence Tags w/ties, 100 pk.
- 1- SNC100CC Heavy Duty, Molded Carrying Case; Dimensions: 17" x 13" x 7.375" (43.2cm x 33cm x 18.7cm); Weight: 26.2 lbs. (11.9kg)

