



# LIFECASTING

## *Starter Kit!*

Featuring

**Alja-Safe<sup>®</sup>**  
Skin-Safe Molding Gel



### QUICK START INSTRUCTIONS

The Quick Start Instructions sheet gives you an overview of how to make a mold and plaster casting of a hand.



**Make A Single-Use Mold & Exact Copy of Your Hand, Fingers, etc.**



**Alja-Safe<sup>®</sup> Captures Perfect Skin Detail**



**Casting Can Be Painted or Finished For a Variety of Different Effects**





# Getting Started

**Alja-Safe®** is the world's first and only **crystalline silica-free alginate**. It is perfect for making single-use molds for accurately reproducing body parts.

## What's Included In the Starter Kit:

- Alja-Safe® Molding Gel
- Hydrocal® Plaster
- Container
- Quick Start Instructions
- Technical Bulletins
- Safety Data Sheet

## What You Will Need:

- Large Measuring Cups
- Large Mixing Cups
- Mixing Sticks
- Warm Water
- Vinyl Gloves
- Plastic Knife

## Making an Alja-Safe® Mold of a Hand

1



### Strike a Pose

Decide how you want your finished casting to look and hold that pose. Place hand in the container provided to determine placement and position. Maintain 1/2 inch clearance from sides and bottom of the container.

2



### Mix Ratio

#### 1:1 by volume

Alja-Safe® is mixed one part Alja-Safe® powder to one part water. Ideal water temperature is 80°F/27°C.

Cooler water temperature will slow down working time and cure time.

3



### Mix & Pour

Sift Alja-Safe® powder into water. Mix until smooth and creamy. Scrape the sides and bottom of the container several times during mixing.

Pour Alja-Safe® molding gel into the container. Do not fill to top of container.

4



### Re-Pose Hand

Slowly immerse posed hand into Alja-Safe® molding gel until covered. Lift hand slowly up and then re-immers the hand back into the molding gel. Keep hand centered in the container, making sure not to touch the sides or bottom. Hold hand steady until gel becomes firm.


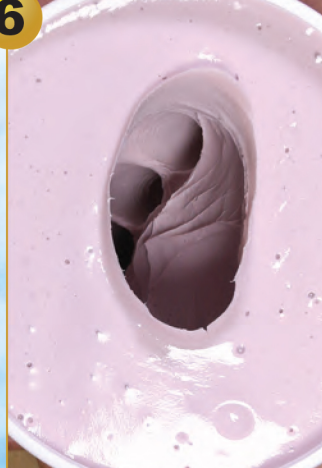
**VIEW THE STEP-BY-STEP VIDEO ONLINE:**



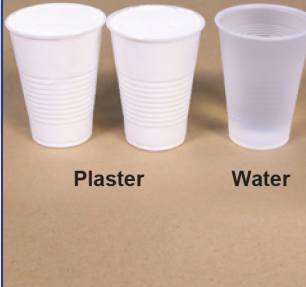



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**CAUTION:** Do not inhale dust. In case of eye contact, flush thoroughly with water. **Keep Out of Reach of Children.**



<p><b>5</b></p> 	<p><b>Removing Hand</b></p> <p>Alja-Safe® sets in about 8-10 minutes depending on water temperature.</p> <p>Once Alja-Safe® has set to a firm solid gel, gently wiggle fingers and carefully remove hand from the mold.</p>	<p><b>6</b></p>  <p><b>Ready to Cast</b></p> <p>You now have a mold cavity that has captured perfect detail from your hand. The mold is ready for casting. Mix and pour plaster into the mold within one hour for best results.</p>
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## Making a Plaster Cast of a Hand

<p><b>7</b></p>  <p>Plaster      Water</p>	<p><b>Mix Ratio</b></p> <p><b>2:1 by volume</b></p> <p>Wear a dusk mask, gloves and eye protection when processing plaster.</p> <p>Measure 2 equal parts of plaster powder to 1 equal part of water by volume.</p>	<p><b>8</b></p>  <p><b>Sift &amp; Soak</b></p> <p>Pour water into a mixing container. Slowly sift plaster powder into water.</p> <p>Allow water to absorb into the powder for 2 minutes before stirring the mixture.</p>
<p><b>9</b></p> 	<p><b>Mix &amp; Pour</b></p> <p>Mix the plaster and water until smooth and creamy. Scrape the sides and bottom several times while mixing.</p> <p>Fill half of the mold cavity with plaster.</p>	<p><b>10</b></p>  <p><b>Rotate</b></p> <p>Rotate mold gently in all directions for 10 seconds to minimize air entrapment in the finished casting.</p> <p>Fill the mold cavity with the remaining plaster.</p> <p>Allow plaster to cure for a minimum of 3 hours.</p>

**WARNING WHEN USING PLASTER: INJURIOUS TO EYES. CAUSES SKIN IRRITATION.** Contains Portland Cement. Avoid contact with eyes and skin. Do not take internally. Avoid breathing dust. Contact with wet cement can cause severe irritation or chemical burns to the eyes and skin. Wear safety glasses and gloves. If eye contact, flush with water for 15 minutes and get immediate medical attention. If ingested, do not induce vomiting. Drink 2-3 glasses of water and get immediate medical attention. **Keep Out of Reach of Children.**

For More Information Visit [www.smooth-on.com](http://www.smooth-on.com)





## Making a Plaster Cast of a Hand (continued)

11



### Score Mold

Invert the container and gently remove the mold.

Use a plastic knife to deeply score the mold in a rough grid pattern on all sides. This will make removing the alginate mold a lot easier.

12



### Demold

Carefully peel away small sections of the mold to expose the plaster casting.

Casting reflects perfect detail captured by the Alja-Safe® alginate.

Let casting air dry for at least 2 hours before handling or painting.

**VIEW THE STEP-BY-STEP VIDEO ONLINE:**

**You Tube**

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With **Alja-Safe®**  
Skin-Safe Molding Gel There are

*Endless Possibilities!*



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