SOFTWARE & TECH

How To Make Goo Without Borax

Published: November 20, 2026 | Index ID: #-

Introduction

Making goo—often called slime—is a classic hands-on activity that delights children and adults alike. The stretchy, squishy texture provides hours of sensory fun. Most traditional recipes call for borax, a common household laundry booster, as the activator that turns glue into goo. However, many people are looking for ways to create this satisfying substance without borax. Whether you are concerned about skin sensitivity, prefer using pantry staples, or simply cannot find borax at the store, learning **how to make goo without borax**opens up a world of safe and easy alternatives.

This guide will walk you through several reliable methods to make non-toxic slime using ingredients you likely already have at home. You will discover that you do not need specialty chemicals to achieve a perfect, stretchy goo. In fact, contact lens solution, cornstarch, gelatin, and even flaxseed can work beautifully. By the end of this article, you will feel confident creating borax-free slime that is just as fun and satisfying—and much gentler on the skin.

Why Make Goo Without Borax?

Borax (sodium tetraborate) is an effective cross-linker for polyvinyl alcohol (PVA) found in white school glue. However, borax can cause irritation when it comes into contact with sensitive skin. For children with eczema, allergies, or simply delicate hands, a borax-free recipe is often a better choice. Additionally, making slime without borax means you can avoid handling a powder that may be accidentally inhaled. By using common household products like saline solution, baking soda, or cornstarch, you create a **non-toxic goo**that is safer for play and easier to clean up.

Moreover, many parents and teachers appreciate recipes that rely on kitchen ingredients rather than chemicals. These alternatives are often cheaper and more readily available. Whether you need a quick rainy-day activity or a science experiment for the classroom, knowing **how to make goo without borax**gives you versatile options that work every time.

What You'll Need: Common Ingredients for Borax-Free Goo

Before diving into specific methods, let's look at the ingredients that can replace borax. Most of these are found in your bathroom cabinet, kitchen pantry, or local grocery store.

- White school glue (PVA-based) – This is the base of most slime. It provides the stretchy polymer structure.
- Contact lens solution – Must contain boric acid and sodium borate. This is the safest and most popular alternative to borax powder.
- Baking soda – Often used with contact lens solution to help firm up the slime and adjust texture.
- Cornstarch – A classic thickener that can create a different kind of goo, often called oobleck, but can also be mixed with glue for a stretchy slime.
- Dish soap – Liquid dish soap (especially brands like Dawn) can be mixed with cornstarch for a fluffy, borax-free version.
- Unflavored gelatin – A protein-based alternative that produces a clear, jelly-like goo that is safe to touch.
- Flaxseed – When boiled, flaxseed releases a mucilaginous gel that can act as a binder for a natural, edible-

inspired goo.

Basic Methods for Borax-Free Goo

Below are four proven methods for making goo without borax. Each recipe uses different activators and yields slightly different textures. Experiment to find your family's favorite!

Method 1: Contact Lens Solution and Baking Soda Slime

This is arguably the most straightforward and reliable method. The boric acid in the contact lens solution reacts with the glue to form a stretchy, classic slime. Baking soda helps to neutralize and provide body.

1. Step 1: Pour 4 ounces (half a bottle) of white school glue into a mixing bowl.
2. Step 2: Add 1/2 teaspoon of baking soda and stir well.
3. Step 3: Add 1 tablespoon of contact lens solution (make sure it contains boric acid and sodium borate). Stir continuously. The mixture will begin to pull away from the sides of the bowl.
4. Step 4: Once the slime forms a cohesive mass, knead it with your hands for 2–3 minutes. If it is too sticky, add a few more drops of contact lens solution.

This method produces a soft, stretchy goo that holds up well. It is perfect for adding food coloring, glitter, or small beads. Remember that the exact amount of contact solution can vary by brand, so add slowly.

Method 2: Cornstarch and Dish Soap Slime

For a simple, non-glue alternative, this recipe uses ingredients you almost always have on hand. Note that the texture is different—it is more like a crumbly dough that becomes stretchy when kneaded.

1. Step 1: In a bowl, mix 1/2 cup of cornstarch with 3 tablespoons of liquid dish soap.
2. Step 2: Stir until a crumbly dough forms. If it seems too dry, add 1 teaspoon of water at a time. If too wet, add a little more cornstarch.
3. Step 3: Knead the mixture for 3 minutes. It will become smoother and more pliable as you work it. This goo is not as stretchy as glue-based slime, but it is fun to mold.

This is an excellent choice for younger children because it is completely non-toxic and easy to clean. It can be stored in an airtight container for several days.

Method 3: Gelatin-Based Goo

Unflavored gelatin creates a completely different type of goo—clear, jiggly, and safe to taste (though it won't taste good). This is great for sensory play and can be tinted with natural food coloring.

1. Step 1: Dissolve 3 packets (about 3/4 ounce) of unflavored gelatin in 1/2 cup of cold water. Let it sit for 5 minutes to bloom.
2. Step 2: Add 1/2 cup of hot water (not boiling) and stir until the gelatin is fully dissolved.
3. Step 3: Stir in 1/2 cup of white school glue until combined. The mixture will be thin.
4. Step 4: Refrigerate for 30–40 minutes until it becomes a soft, jiggly solid. You can knead it to remove some of the liquid. The texture is slippery and fun.

This gelatin goo must be stored in the refrigerator and will not last as long as other slimes. It is best for a single play session.

Method 4: Flaxseed Goo (All-Natural)

If you want a completely natural, edible-ingredient goo that is safe for babies and toddlers, flaxseed is a wonderful option. It creates a thick, gel-like substance that is stretchy and soothing.

1. Step 1: Bring 2 cups of water to a boil in a saucepan. Add 1/4 cup of whole flaxseeds.
2. Step 2: Reduce heat and simmer for 10–15 minutes, stirring occasionally. The water will become thick and gooey as the flaxseeds release their mucilage.
3. Step 3: Strain the liquid through a fine-mesh sieve into a bowl. Discard the seeds (or use them in baking). Let the liquid cool completely.
4. Step 4: Add a few drops of food coloring if desired. The goo can be stored in an airtight container in the refrigerator for up to a week.

Flaxseed goo is not as stretchy as traditional slime, but it provides a unique sensory experience. It is also biodegradable and easy to rinse away.

Tips for Perfect Borax-Free Goo Every Time

- Measure carefully: The ratio of glue to activator is critical. Add activator slowly until the slime pulls away from the bowl. Too much activator makes it stiff and rubbery.
- Knead thoroughly: Many failures happen because people do not knead enough. The chemical reaction needs time and warmth from your hands to fully activate. Knead for at least 3–5 minutes.
- Store properly: Keep your goo in an airtight container or ziplock bag. Most borax-free slimes last 1–2 weeks at room temperature. Gelatin and flaxseed versions need refrigeration.
- Fix sticky slime: If your slime is too sticky, add a tiny bit more activator (contact solution or cornstarch). If it is too stiff, add a drop of lotion or warm water.
- Add texture: Enhance the sensory experience by mixing in foam beads, glitter, or small plastic toys. Avoid adding too much, as it can break down the slime.

Benefits of Borax-Free Goo

Choosing to make goo without borax offers several advantages. First, it is **safer for sensitive skin**. Borax can cause dermatitis in some individuals, especially with prolonged contact. Second, these recipes often use ingredients that are already in your home, so you can start playing immediately without a special trip to the store. Third, teaching children to create slime with simple household items reinforces valuable science concepts about polymers and chemical reactions in a safe, accessible way.

Furthermore, many of these alternatives are more environmentally friendly. Cornstarch and flaxseed are renewable resources, and contact lens solution is a common recyclable plastic. When you use these methods, you reduce reliance on harsh chemicals, making cleanup easier for you and safer for the planet.

Frequently Asked Questions

Can I use baking powder instead of baking soda?

No, baking powder is not a substitute. Baking powder contains an acid and a base, while baking soda is pure sodium bicarbonate. For the contact lens slime method, baking soda works as a pH adjuster and texturizer. Stick with baking soda.

Is contact lens solution safe for kids?

Yes, when used in small amounts as directed, contact lens solution containing boric acid and sodium borate is safe for skin contact. However, avoid ingestion. Supervise young children and wash hands after play.

Why is my slime too runny?

Runny slime usually means you need more activator. Add a few drops of contact lens solution at a time while

kneading. Also, make sure your glue is fresh; expired glue may not cross-link properly.

How long does borax-free goo last?

Most glue-based slimes last 1–2 weeks if stored in an airtight container away from heat and direct sunlight. Flaxseed gel lasts about a week in the fridge. Gelatin slime should

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