

## ELEPHANT TOOTHPASTE BLAST

**WARNING:** Not suitable for children under 8 years. For use under adult supervision. Contains some chemicals which present a hazard to health. Read the instructions before use, follow them and keep them for reference. Do not allow chemicals to come into contact with any part of the body, particularly the mouth and eyes. Keep small children and animals away from experiments. Keep the experimental set out of reach of children under 8 years old. Eye protection for supervising adults is not included.

**WARNING:** This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

## Advice for Supervising Adults

Read and follow these instructions, the safety rules and the first aid information, and keep them for reference. The incorrect use of chemicals can cause injury and damage to health. Only carry out those experiments which are listed in the instructions. This experimental set is for use only by children over 8 years. Because children's abilities vary so much, even within age groups, supervising adults should exercise discretion as to which experiments are suitable and safe for them. The instructions should enable supervisors to assess any experiment to establish its suitability for a particular child. The supervising adult should discuss the warnings and safety information with the child or children before commencing the experiments. Particular attention should be paid to the safe handling of acids and alkalis. The area surrounding the experiment should be kept clear of any obstructions and away from the storage of food. It should be well lit and ventilated and close to a water supply. Substances in non-reclosable packaging should be used up (completely) during the course of one experiment, i.e. after opening the packaging.

## Safety Rules

- Read these instructions before use, follow them and keep them for reference.
- Always wear eye protection.
  - Keep young children, animals and those not wearing eye protection away from the experimental area.
  - Store this experimental set out of reach of children under 8 years of age.
  - Clean all equipment after use.
  - Make sure that all containers are fully closed and properly stored after use.
  - Ensure that all empty containers and/or non-reclosable packaging are disposed of properly.
  - Wash hands after carrying out experiments.
  - Do not use any equipment which has not been supplied with the set or recommended in the instructions for use.
  - Do not eat or drink in the experimental area.
  - Do not allow chemicals to come into contact with the eyes or mouth.

**IMPORTANT!** THIS TOY MUST BE USED OUTDOORS. USING IT INDOORS MAY DAMAGE SURROUNDING AREAS.

## First Aid Information

In case of eye contact: Wash out eye with plenty of water, holding eye open if necessary. Seek immediate medical advice.  
If swallowed: Wash out mouth with water, drink some fresh water. Do not induce vomiting. Seek immediate medical advice.  
In case of inhalation: Remove person to fresh air. In case of skin contact and burns: Wash affected area with plenty of water for at least 10 minutes. In case of doubt, seek medical advice without delay. Take the chemical and its container with you. In case of injury always seek medical advice.

### Poison Control Center

(Note your local poison control center number here to have it readily available if needed).

USA: 1 800 222 1222  
UK: 111  
Australia: 131 126

## Contents

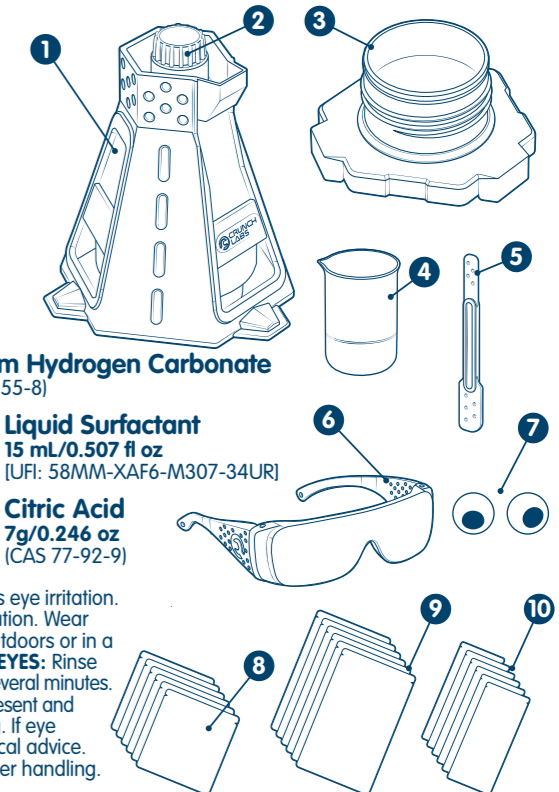
### Playset:

1. Flask
2. Cap
3. Base
4. Beaker
5. Stirrer
6. Protective Glasses
7. Googly Eyes

### Ingredients:

8. 6x Sachets: **Sodium Hydrogen Carbonate** 15g/0.53 oz (CAS 144-55-8)
9. 6x Sachets: **Liquid Surfactant** 15 mL/0.507 fl oz (UFI: 58MM-XAF6-M307-34UR)
10. 6x Sachets: **Citric Acid** 7g/0.246 oz (CAS 77-92-9)

**WARNING:** Causes serious eye irritation. May cause respiratory irritation. Wear eye protection. Use only outdoors or in a well-ventilated area. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. Wash hands thoroughly after handling.



## Before you start

This is an outdoor toy. Find a suitable area that has a flat, level surface to place the vessel and has 5 meters (15 ft) of free unobstructed space in every direction from the vessel.

- Ensure the play surface is not sensitive to damage from the chemicals in this product or lay a protective sheet under the vessel and its surrounding area.
- Do not perform this experiment on a windy day.
- Always wear Protective Glasses.
- Keep young children, animals and those not wearing eye protection away from the experimental area.
- For best results use **warm water at 40°C/105°F**. To avoid scalding do not use water above 45°C/113°F.

## 1 Add Ingredients to Base

**1** Fill the Base with warm water  $\leq 40^{\circ}\text{C}/105^{\circ}\text{F}$ .  
Fill Line 150 mL / 5.28 fl oz

**IMPORTANT!** When filling, ensure the water surface aligns with the fill line. Make sure to place the Base on a level surface.

**2** Add 1 sachet: **Sodium Hydrogen Carbonate** 15g/0.53 oz, then stir until completely dissolved.

**3** Add 1 sachet: **Liquid Surfactant** 15 mL/0.507 fl oz and stir until completely dissolved.

Use wide end of Stirrer.

## 2 Assemble Vessel

**4** Ensure Bucket isn't jammed by gently moving it with your finger. If jammed see Troubleshooting section.

**5** Fasten Flask to base until it stops.

**NOTE:**  
• While assembling vessel, Bucket **MUST** remain upright. If it tips over during or after assembly: disassemble vessel, reposition Bucket upright, and repeat assembly.

UPRIGHT TIPPED OVER

## 3 Choose Eruption type

**6** Rotate Cap to align your preferred nozzle with arrow mark.

Outlet Position

3 different eruptions!

a Large Circle b Small Circle c Sprayer

## 4 Add Ingredients to Beaker

**7** Fill Beaker with warm water  $\leq 40^{\circ}\text{C}/105^{\circ}\text{F}$ .  
Fill Line 15 mL/0.507 fl oz

**8** Add 1 sachet: **Citric Acid** 7g/0.246 oz.

**9** Stir until completely dissolved. Ensure no particles remain visible.

NOTE:  
• Rinse the Stirrer under running water and dry before use to ensure it is clean and to prevent any unintended chemical reactions.

Use thin end of Stirrer.

## 5 Trigger Chemical Reaction

**10** Make sure the Bucket is upright and pour Beaker contents into the wider opening at the top of the vessel.  
**Immediately step back at least 5 meters (15 ft).**

**11 And Booom!**  
In a few seconds, the foamy eruption will soar up.  
**Wait at least 20 seconds after the reaction before approaching the vessel.**

Never point the nozzle toward your face. Gently jiggle the vessel to trigger any remaining reaction before picking the vessel up to clean to eliminate the risk.

This is an outdoor toy. Find a suitable area that has a flat, level surface to place the vessel and has 5 meters (15 ft) of free unobstructed space in every direction from the vessel.

## Cleaning

Submerge disassembled parts (Flask and Base), Beaker, and Stirrer in water and leave them for 2 minutes. Take them out and cleanse with running water. Fully clean and dry all components before replaying or storing.

**IMPORTANT!**  
Do not remove your Protective Glasses until the vessel is disassembled and cleaned. Residual ingredients inside the vessel may cause a delayed chemical reaction.

Use accurate household measuring tools (e.g. kitchen scale, measuring spoons) to ensure consistent results.

## Make your own

Once the included ingredients are finished, you can recreate the experiment using:

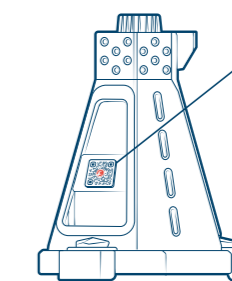
- **Sodium Hydrogen Carbonate** (food grade) – 15g/0.53 oz OR 1½ teaspoons
- **Citric Acid** (food grade) – 7g/0.246 oz OR 1 teaspoon
- **Liquid Surfactant = Polysorbate 20 solution** (cosmetic grade) – 5mL/0.167 fl oz OR 1 teaspoon

These items are typically available at local grocery stores or online. Polysorbate 20 is a Liquid Surfactant widely available from reputable online retailers and specialty stores. Ensure the product is labeled as cosmetic or food grade and follow all safety instructions. Use weighted amounts for best results.

**IMPORTANT!**  
Use accurate household measuring tools (e.g. kitchen scale, measuring spoons) to ensure consistent results.

## Troubleshooting

- Bucket doesn't stay upright during assembly:**
- Vessel is not placed on a flat, level surface. Find a flat, level surface before starting assembly.
  - Ensure the Bucket is empty, clean and dry - any material left inside could cause it to tip over prematurely.
- Bucket doesn't tip over:**
- When preparing Beaker ingredients, make sure to fill water to fill-line.
  - Ensure the inlet hole at the top opening isn't blocked so liquid can drain properly.
  - If Bucket hasn't tipped within 20 seconds of pouring Beaker contents, add a small amount of water into the top of the vessel to help the Bucket tip. Do not lean over the vessel while doing this.
  - If it still doesn't tip, place a bowl over the vessel as a splash shield, hold the bowl securely, and gently tap the vessel to trigger the reaction.
- When Bucket is jammed:**
- Remove the obstruction. If the jam is due to crystallized ingredients near the Bucket/nozzle, disassemble, submerge the vessel in warm water, soak and clean well to achieve free movement as described on the cleaning page.
- Foaming occurs, but does not erupt high enough:**
- Ensure the Bucket is upright before pouring Beaker contents into the vessel. If the Bucket has tipped over, disassemble the vessel, reposition the Bucket upright, and reassemble.
  - Make sure the Flask is fully engaged with Base by rotating it until it stops.
  - Confirm that your selected nozzle is properly aligned with the outlet position.
- It's difficult to dissolve Sodium Hydrogen Carbonate and Citric Acid powder:**
- Use **warm water at 40°C/105°F**.
  - When stirring with the provided tool, alternate the direction periodically between clockwise and counterclockwise. This helps break down the powder particles and dissolve them in the water.
- Liquid is leaking through the gap between Flask and Base:**
- It may be because Flask is not fully engaged with Base. Ensure to rotate it until it stops.
  - Check that the rubber ring on Base is still in place and isn't damaged. Handle the ring gently during play and cleaning to prevent it from being damaged or misplaced.

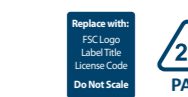


Scan this QR code on the product to watch Mark explain all the science behind the action!  
PARENTAL CONSENT REQUIRED BEFORE GOING ONLINE.



SCAN ME!  
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**WARNING: CHOKING HAZARD - SMALL PARTS. NOT SUITABLE FOR CHILDREN UNDER 3 YEARS.**  
**IMPORTANT: RETAIN PACKAGING DETAILS AND INSTRUCTIONS FOR FUTURE REFERENCE. COLORS AND CONTENTS MAY VARY.**



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