

138X210MM

PLEASE NOTE:

YOU WILL NEED TO PROVIDE THE VINEGAR.

Contents:

- 1 x Rocket Mold
- 1 x Bottle Of Citric Acid, 15g
- 1 x Bottle Of Baking Soda, 15g
- 1 x Small Spoon, 1 pair of Goggles
- 1 x Instructions

3-2-1...BLAST OFF!

Send your rocket shooting skywards with this cool experiment!

Procedure:

1. Remove the cap from the bottom of the rocket.
2. With the nose facing down, fill the removed cap with water two times and pour into the open end of the rocket. Make sure to keep the nose of the rocket facing down.
3. Add 4 spoons of baking soda and 6 spoons of citric acid to the water in the rocket.
4. Quickly secure the cap on the end of the rocket. Make sure it snaps to ensure it is properly sealed.
5. When ready, face the rocket up.
6. Move at least 5 feet away for your safety. The rocket will blast off within a minute!
7. If the rocket does not launch within 5 minutes, supervising adult should safely pick it up and loosen the cap a bit.

Explanation:

When the rocket fuel pellet is placed in water it will create bubbles of gas. The gas reaction causes the rocket to soar up.

Science Secrets!

For those of you wondering how this rocket comes to life, here is the science behind it all. When you mix the vinegar with the rocket fuel (Baking soda – CHEMICAL 1), you cause a chemical reaction to occur. This kind of reaction is called combustion, and it happens when two or more substances are mixed and cause a gas called CO₂ (carbon dioxide) to be released. When the pressure from the released gas gets high enough – Blast off! a plug inside the rocket is ejected and the remaining water sends the rocket skywards!

INGREDIENTS:

SODIUM HYDROGEN CARBONATE CAS NO. 144-55-8,
CITRIC ACID CAS NO. 77-92-9

Adult supervision required at all times!

Ref No. 44-0085

BATCH No.10/21

CHEMICAL 1
Citric Acid
CAS No. 77-92-9
Weight: 15g

WARNING

IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND. KEEP OUT OF REACH OF CHILDREN. WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/ EYE PROTECTION. IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINING. CAUSES SERIOUS EYE IRRITATION. WASH HANDS THOROUGHLY AFTER USE. IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE.



PLEASE REFER TO SAFETY GUIDE BEFORE USING THIS PRODUCT.

10+ Years

Make your own
ROCKET LAUNCHER

INSTRUCTIONS

WARNING! NOT SUITABLE FOR CHILDREN UNDER 10 YEARS. FOR USE UNDER ADULT SUPERVISION. CONTAINS SOME CHEMICALS WHICH MAY 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. STORE THE CHEMISTRY SET OUT OF REACH OF SMALL CHILDREN.

WARNING! ONLY FOR USE BY CHILDREN OVER 10 YEARS OLD. TO BE USED SOLELY UNDER THE STRICT SUPERVISION OF ADULTS THAT HAVE STUDIED THE PRECAUTIONS GIVEN IN THE EXPERIMENTAL SET.

CAUTION! CONTAINS SOME CHEMICALS WHICH ARE CLASSIFIED A SAFETY HAZARD. STORE THE CHEMISTRY SET OUT OF REACH OF SMALL CHILDREN. EYE PROTECTION FOR SUPERVISING ADULT IS NOT INCLUDED.

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. 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 supervising adult should discuss the warnings and safety information with the child before commencing the experiments. The area surrounding the experiment should be kept clear of any obstructions and away from the storage of food. It should be well-ventilated and close to a water supply. A solid table with a heat resistant top should be provided. Substances in non-reclosable packaging should be used up (completely) during the course of one experiment because the effectiveness of the ingredients following opening may deteriorate. Do clean all equipment after use. Ensure that all empty containers and/or non-reclosable packaging are disposed of properly. Do wash hands after carrying out experiments. The instructions should enable supervisors to assess any experiment to establish its suitability for a particular child. Do always wear eye protection. Do store experimental sets out of reach of young children. Do not eat, drink or smoke in the experimental area. Do not replace foodstuffs in original container. Dispose of immediately. Do not apply any substances or solutions to the body. Do not use equipment which has not been supplied with the set or recommended in the instructions for use. 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 5 minutes. In case of doubt seek medical advice without delay. Take the chemical together with the container with you. In case of injury always seek medical advice. This chemistry set is for use only by children over 10 years. Particular attention should be paid to the safe handling of acid, alkalis and flammable liquids. Do read these instructions before use, follow them and keep them for reference. Do keep young children, animals and those not wearing eye protection away from the experimental area. Do make sure that all containers are fully closed and properly stored after use. Do not allow chemicals to come into contact with the eyes or mouth.

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