WARNING CHILDREN EXCEPT UNDER

ADULT SUPERVISION.

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WARNING. Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled. Keep the packaging and instructions as they contain important information.

575003-02-250716

KIN 1617489

Made in Taiwan No. 575003

Ooze Labs: Magic Sand

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SAFETY

Dear Parents,

With this kit, you will be helping your child experiment with hydrophobic sand. We are asking you to read these instructions together with your child, follow them and keep them for reference. Only carry out the experiments listed in the instructions. Do not allow the magic sand to come into contact with the eyes or mouth. Please remind your child to wash the hands thoroughly after the experiments. This set is for use only by children over 7 years. For use under adult supervision. Therefore store it out of reach of children under 7 years old and animals. This means the magic sand and the materials in the set. Give your child some cooking oil for the experiment: Do not replace the oil in the original container. Dispose of immediately and do not use in kitchen anymore.

Look for a good place to do the experiments. The area surrounding the experiment should be kept clear of any obstructions and away from the storage of food. Use a solid table with a top that can easily be cleaned. The working area should be cleaned up immediately after carrying out the activity. Also clean all equipment (e.g., the spatula) after use and thoroughly wash your hands. Open the magic sand packets with scissors — never with your teeth. While experimenting, please be careful not to create dust of the powder. Do not eat or drink in the experimental area and while doing the experiments. The colored magic sands may cause stains that can't be washed out of clothing. Therefore wear suitable clothes that can get stained and keep the materials away from table clothes, curtains, and carpets. After the experiments dry the magic sand on a paper towel and fill it back into the original packets. Close them with tape and store them inside the test tube. Dispose off all materials in this kit in the household trash. Do not pour the magic sand down the drain.

We hope you and your child have a lot of fun with the magic sand!

1ST EDITION 2016

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PRINTED IN TAIWAN / IMPRIMÉ EN TAÏWAN

SAFETY

Information about the Magic Sand

Magic Sand Blue/Red (20g, 0.7102.)
Blue: Item No. 717707; Red: Item No. 717708
Ingredients: colored sand (red/blue) with
hydrophobic coating

Do not get in eyes, into the mouth or on clothing. Wash hands thoroughly after handling. Do not ingest. Use only as instructed. Keep magic sand out of reach of small children.

Use the materials carefully, as they may stick to or stain fabric, wood, carpet, or other materials. Clean with water.

First Aid Information

If any sand gets into the eyes: 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 doubt, seek medical advice without delay. Take the magic sand and its packet / this manual with you.

WARNING!

Not suitable for children under 3 years. Choking hazard — small parts may be swallowed or inhaled. Keep packaging and instructions, as they contain important information.

1. SETTING UP THE OOZE TUBE

CONTENTS

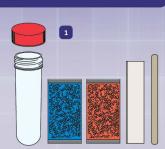
Test tube, lid, 2 packets of magic sand, wooden spatula, cardboard strip, water

YOU WILL ALSO NEED

Paper towel, cooking oil, scissors, tape

HERE'S HOW

- 1. Remove the contents from the test tube.
- Use the cardboard strip to make a test tube holder by rolling it into a circular tube and fitting it into the cap. Place the test tube into the holder.

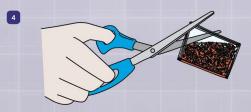




2. PREPARING THE MATERIALS

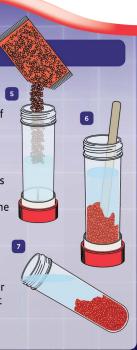
- 3. Add water to the test tube until it is about half full.
- 4. Open the packet of magic sand using a pair of scissors. Do not use your teeth. Be careful not to get any of the sand in your eyes or mouth.





3. STIR IT UP

- Slowly pour all of the magic sand into the test tube. Notice how the magic sand clumps together and a column of air forms around the magic sand.
- 6. Use the wooden spatula to move the magic sand around in the water. Try building columns and other structures with the magic sand. Have fun experimenting. You can even screw the lid onto the test tube and try shaking up the magic sand and water. What happens?
- 7. When you are finished experimenting with the magic sand in the water, pour off as much of the water from the test tube as possible. Clean the sink with water afterward.



4. MORE EXPERIMENTS

- 8. Pour the remaining water and magic sand onto a paper towel to dry. Notice how when the magic sand is removed from the water it is dry, and the water forms small beads on top of the magic sand. What would happen if you put normal sand in water? Hint: Think of when you go to the beach. Disposal information: Do not pour the sand down the drain. It can be reused. To dispose, put in the household trash.
- 9. Try mixing a little of the magic sand and cooking oil in the test tube. What happens? Dispose of the sand and oil afterward. Clean the test tube with soap.





WHAT'S HAPPENING?

Magic sand demonstrates the amazing scientific properties of water! Magic sand has been coated with a substance to make it nonpolar. However, water is a polar molecule, meaning that the individual molecules of water have two distinct ends, or poles: One end has a positive charge and the other has a negative charge. Positive and negative charges attract, but like-charges repel each other. Polar and nonpolar substances do not mix because of this difference in their molecular structures. Another example of this is oil and vinegar salad dressing. When a substance does not mix with water it is described as being hydrophobic. Hydrophobicity is critical to the way that cells function, so without hydrophobicity life as we know it might not exist!



Oil and water don't mix