

SIX REPORTERS HAVE THREE HOURS TO FIND OUT WHERE THEY ARE, AND WHAT IS GOING ON. USING YOUR RELIABLE INFORMATION AND A HAND CRANKED DUPLICATOR THEY PRODUCE A PAPER WITH THE REAL NEWS: THE DAILY ISSUE.



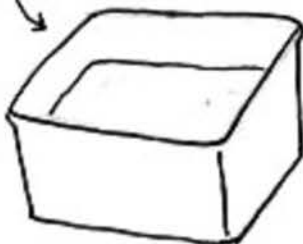
THE DAILY ISSUE
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FOM PHYSICS

A relationship is like
a bucky ball, in theory.



CORN STARCH



SAVING EGGS AND STOPPING BULLETS!

How does cornstarch mixed with water work? This is the question we ask you, because, and to be

very frank, we are not sure. It is shear thickening, meaning, the viscosity increases when applying pressure or force. Also, it dilates, it expands when a force is applied to it. We could ask the many, very intelligent, professors that walk around here, but they would probably disagree and get in a heated discussion, ending in even more research.

So cornstarch can save an egg or stop a bullet (but not very well). It acts like quick sand when you stand in it, but if you run over it, you might start feeling divine. We know that the irregular shape and the large distribution in size of the cornstarch particles cause both the shear thickening effect and dilation of the fluid. But we are not sure what the exact mechanics are which cause this.

But how can we find out, how it works? Step 1: Go into your kitchen, and get the cornstarch. Step 2: Mix one part water with 1.2 parts of cornstarch. Step 3: Do science! Heat it up, cool it down, throw it, thrown something into it, let it fall, or drop something into it (eggs, bullets, babies), mix it with

other stuff, leave it, love it, but most importantly, think about the stuff that happens and write down your observations. We look forward to what you might find.

Nick Laan



Add egg to
corn starch.

COLOFON

The Daily Issue is written and printed on the spot by a varying board of editors. This issue was made by: Danibal, Diana Wildschut, Dick Bos, Harmen Zijp, Lemke Kraan, Luis Fernandez, Patrick Nederkoorn and Peter Uithoven.

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