INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VI, Issue IV
March 2025
Available online at https://www.instabrightgazette.com

SNOWMAN TOOTHPASTE AS FIRE EXTINGUISHER ALTERNATIVE

CABELLO, LEIVYHAN, B.
DELA CUESTA, ANGEL JUSTINE, T.
DELOS REYES, KIEN JHOREN, I.
MARANAN, ROMER JHON, R.
MARTINEZ, MARK ANTHONY, C.
Balayan Senior High School

ABSTRACT

This research focuses on the development of alternative fire extinguisher with acid-base reaction as its agent. The term snowman refers to the cooling effect of the reaction while the term toothpaste refers to the foamy texture of the reaction. Furthermore, the ingredients in making snowman toothpaste include distilled white vinegar, baking soda, yeast, and dish soap. The following are the questions that this tesearch aims to answer: What are the materials needed in making a snowman toothpaste as a fire extinguisher alternative, What are the processes used to create snowman toothpaste, How effective is snowman toothpaste in extinguishing fire: Class A fire (involving organic solids like paper, wood, etc.) and Class B fire (involving flammable liquids). Moreover, this research is conducted though experimental approach and gathered data from experiments. The research gaps of this study can be explored in future researches such as the effectiveness of snowman toothpaste in putting out electrical fires and other acid and base reaction as an alternative fire extinguisher agent. On the other hand, this study concluded that snowman toothpaste is effective in putting out both class A and class B fires.