

## CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s)	Project Number
Desten Davies; Dalton Leighton	<b>S0603</b>
Project Title Flames, Flames, and More Flames	
Abstract	
<ul> <li>Objectives/Goals The purpose of our project is to find the most flammable chemical be and hand sanitizer. We wanted to test and show people how dangerout hypothesized that rubbing alcohol would be the most unsafe because temperature. Methods/Materials First we measured one ounce of each chemical. We put each chemical bleached the pan in between uses. To ignite the chemicals we used a listopwatch to measure how much time passed between contact with th chemical. Results Hand Sanitizer lit the quickest at .1 second. Rubbing alcohol was the and nail polish was the slowest at 1.32 seconds. Our hypothesis was properties.</li></ul>	as some household chemicals are. We it has the lowest ignition al in the pans individually, and barbecue lighter. We used a be open flame and total ignition of the second fastest to ignite at .74 second,
Hand sanitizer was the quickest to ignite because it contained the higl Isocerphyl. These findings are important because people use these ch know how dangerous they are.	
Summary Statement This project researched the quickest household item to ignite when ex	xposed to an open flame.
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