

CALIFORNIA STATE SCIENCE FAIR**2001 PROJECT SUMMARY****Your Name** (List all student names if multiple authors.)**Anna L. Magulac****Science Fair Use Only****J1023****Project Title** (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9)**Which Solution Removes Stickers Best?****Division** **Junior (6-8)** **Senior (9-12)****Preferred Category** (See page 5 for descriptions.)**10 - Materials Science****Abstract** (Include Objective, Methods, Results, Conclusion. See samples on page 14.)

Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.

This experiment studies the effectiveness of different solutions used to remove stickers. It tested two main kinds of sticker removal solutions; commercial products like De-Solv-It and Goo Gone, and home remedy solutions such as baby oil and rubbing alcohol. These solutions were tested on four different surfaces: wood, vinyl, glass, and tile, to see which solution would work the best on each one. The experimental hypothesis is: Ralph's 70% Isopropyl Rubbing Alcohol will be the best at removing stickers from all surfaces.

Sticker removal was studied by observing the number of scrapes that it took to take a paper sticker off. Each solution was tested on each of the four surfaces. Each experiment was repeated ten times to insure an accurate average.

After the experiment was done, the hypothesis had not proved true. Rubbing alcohol did not work the best on any of the surfaces. Instead, Goo Gone and De-Solv-It were the winners, both working the best on two surfaces each. Goo Gone was the best at removing stickers off of wood and vinyl, and De-Solv-It was the best in glass and tile. However, in the overall average, De-Solv-It won. This put Goo Gone in second, rubbing alcohol in third, and baby oil in fourth.

The research in this experiment shows that commercial solutions are better at removing stickers than home remedy solutions. This was thought to be vice versa before this experiment was conducted. Thus, this experiment yielded very interesting results.

Summary Statement (In one sentence, state what your project is about.)

My project is about discovering which solutions remove stickers best from various surfaces.

Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.

Mother helped buy supplies; Father and Mother tried to help find method, but failed.