



# My Go-2-Guy Handyman Services

Phone: (416) 524-9177  
E-mail: [handyman@mygo2guy.ca](mailto:handyman@mygo2guy.ca)  
Website: [www.mygo2guy.ca](http://www.mygo2guy.ca)

## 2 Ingredient De-icer

### Ingredients

Isopropyl Alcohol 70% (also known as rubbing alcohol)  
Water

### Tools

Measuring cup  
Spray Bottle  
Funnel  
Sharpie

### Instructions

- I. In the measuring cup Mix together 2/3 Isopropyl alcohol and 1/3 water.
- II. Using the funnel pour the solution into the spray bottle
- III. As always when working with chemicals, be sure to label the spray bottle a sharpie as a safety precaution.

### How to Use It

Simply spray a light coating of the de-icer over the windshield and wait. The heavier the ice the more solution you use. For really ice days this will only loosen the ice and make it easier to scrape the old fashioned way.

### How It Works

Isopropyl alcohol or rubbing alcohol has a freezing point of -89.5 Celsius (-129 Fahrenheit). That means when you spray the solution on a frozen windshield it mixes with the ice and raises the freezing point, in doing so the ice changes it's state from solid to liquid. It also means you can leave this solution in your car when you are heading out and it won't be frozen when you get back to your car.