Acids and bases II

This task is about acids and bases.

The pH of a substance indicates whether it is acidic, basic, or neutral:

- Acidic substances have a pH of less than 7.
- Neutral substances have a pH of 7.
- Basic substances have a pH greater than 7.

Using the table of pH values below, answer the following questions.

Substance	рН
lemon juice	2
vinegar	3
milk	7
tap water	7
baking soda	9
milk of magnesia	11

a) i) Wasps stings are basic.	
Name one substance from the table you would apply to a wasp sting to make i	t less painful.
ii) Why did you choose this substance?	
b) A white substance is found on some nails in the garage. You scrape a little bit off	and find its pH to
be 8.	<i>f</i>
Name two substances from the table you could use to remove the white substar	ice from the halls.
1.	
2.	
c) If the concentrations and volumes are equal, a basic substance will	an acidic
substance when they are mixed together, and the new substance will have a pH of	
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