Chemical Scavenger Hunt

Rules: GROUPS MAY CONTAIN NO MORE THAN 3 members. All get the same score. You may work alone if you wish.

1. Scores will be based on the number of items correctly identified.
2. A score of 50 will be awarded to the group correctly identifying the most items. All others will receive a prorated score.
3. Each item on the list is a household product. Some items can be found in the supermarket while other are found at the drugstore.
4. The item simply needs to be identified.
5. First group finished sets the standard, so cheating won't do any good.
6. You must turn in your material at the end of the class period.

The LIST

1. A substance containing the ester, methyl salicylate
2. A solid whose solution has a pH>7
3. A substance with a food additive, including the name, formula and purpose of the additive.
4. A substance used as a fire extinguisher
5. A sample of silicon dioxide
6. A substance containing acetyl salicylic acid
7. An alloy labeled as to its constituents
8. A commercial product with a nitrogen content > 15%
9. A solution containing a dissolved –1 ion, other than chloride.
10. A product of an oxidation-reduction reaction (write out the reaction)
11. One of the top three metallic electrical conductors.
12. A substance with a density less than 1.0 g/mL
13. A solution of either NaOCl or $Ca(OCl)_2$
14. The amount of table sugar containing 10.0 grams of O
15. An example of polyvinyl acetate
16. A substance containing tartaric acid
17. A substance containing a solid MgSO4
18. A three carbon alcohol solution
19. A source of a sample of a pure element
20. A source of a sample containing a noble gas
21. A solid that readily forms a +3 ion
22. An ionic solid
23. A voltaic cell
24. A polar substance
25. A disaccharide
26. An acid/base indicator
27. A reducing agent
28. An oxidizing agent
29. An enzyme
30. An edible acid
31. A nonmetallic solid
32. A transition metal
33. A silver halide emulsion
34. An alcohol with two or more hydroxyl groups
35. A sample containing a metalloid

Group Members:

NUMBER	SOURCE of SUBSTANCE
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