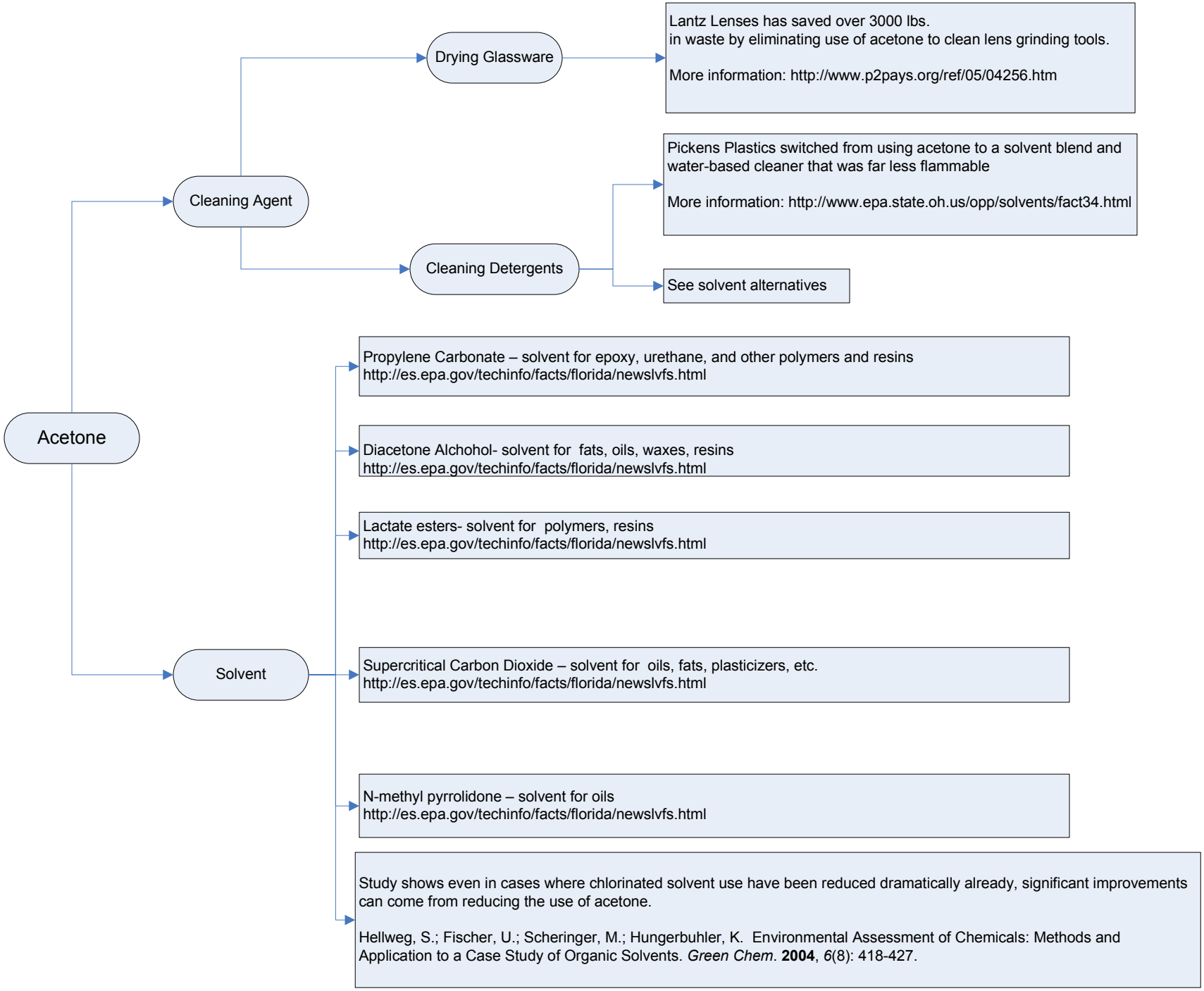
Acetone
Cleaning Agent
Drying Glassware
Lantz Lenses has saved over 3000 lbs.
in waste by eliminating use of acetone to clean lens grinding tools.
More information: http://www.p2pays.org/ref/05/04256.htm
Cleaning Detergents
Pickens Plastics switched from using acetone to a solvent blend and water-based cleaner that was far less flammable
More information: http://www.epa.state.oh.us/opp/solvents/fact34.html
See solvent alternatives
Solvent
Propylene Carbonate – solvent for epoxy, urethane, and other polymers and resins
http://es.epa.gov/techinfo/facts/florida/newslvfs.html
Diacetone Alchohol- solvent for fats, oils, waxes, resins
http://es.epa.gov/techinfo/facts/florida/newslvfs.html
Lactate esters- solvent for polymers, resins
http://es.epa.gov/techinfo/facts/florida/newslvfs.html
Supercritical Carbon Dioxide – solvent for oils, fats, plasticizers, etc.
http://es.epa.gov/techinfo/facts/florida/newslvfs.html
N-methyl pyrrolidone – solvent for oils
http://es.epa.gov/techinfo/facts/florida/newslvfs.html
Study shows even in cases where chlorinated solvent use have been reduced dramatically already, significant improvements can come from reducing the use of acetone.
Hellweg, S.; Fischer, U.; Scheringer, M.; Hungerbuhler, K. Environmental Assessment of Chemicals: Methods and Application to a Case Study of Organic Solvents. Green Chem. 2004, 6(8): 418-427.