

# CHARLOTTE HICKS

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## Propylene

Propylene is a three carbon molecule derived from natural gas. Shale gas drilling (fracking) has been a market changer for the natural gas industry, in that shale gas is richer in ethane (building block for ethylene) rather than propane (the building block for propylene). This, along with other factors, has made propylene supplies volatile and it tempting manufactures to switch to cheaper ethylene based materials when possible. If this occurs, then change notices and validation of products should occur.

### Downstream materials of Propylene include:

Acetone	Packaging
Acetonitrile	Rheology Modifier
Acrylic Acid	Pipet Tips
Acrylonitrile	Polyurethanes (co-product HCl)
Bags, Autoclave	Propylene Glycol and Derivatives
Bottles and Closures	Propylene Oxide
Butadiene	Resins/Plastics
Culture Tubes	Spill Control Materials
Filters	Surfactants
Glycerol, Synthetic	Swabs
IPA	Tributylphosphate
Microplates	Tubes and Vials
Mops	Wipes