

# Bio Propylene Glycol (BioPG)

A competitive, low carbon bio-based process to convert glycerin to BioPG



BioPG is a renewable green chemical that provides a convenient and affordable 'drop in' replacement for carbon-based Propylene Glycol.

Using a BASF licensed technology, our process allows production of BioPG from glycerin.

We have completed four engineering projects for BioPG with two industrial scale reference plants in operation.

Our approach enables the production of BioPG with ~65% lower emissions than petrochemical methods of production.



## Avantages

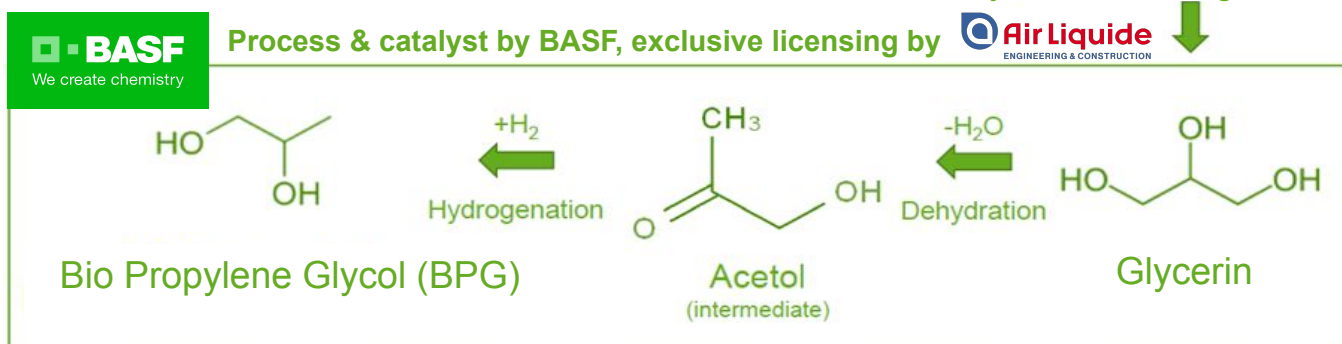
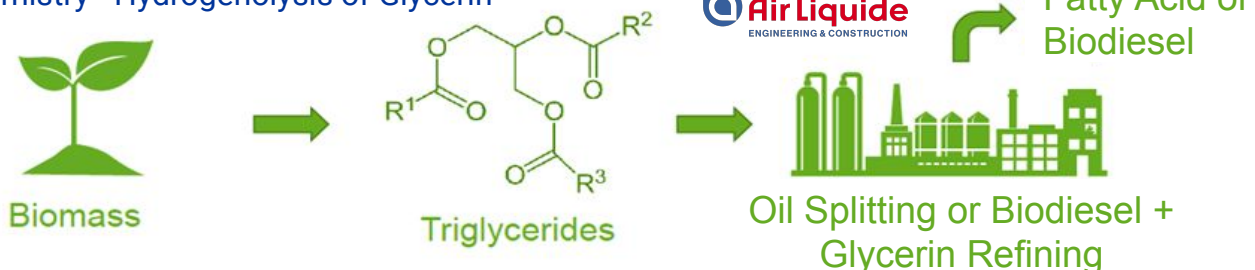
- Five-fold increase in product value
- Highly competitive drop-in alternative to conventional propylene glycol
- Commercially proven licensed BASF technology
- Safe, sustainable process
- Reduced environmental footprint
- Production capacity: 50 to 300 tpd

# Drawing on many years of experience in Green Chemicals & Fuels



A safe, sustainable process with  
~65% lower emissions

## Green Chemistry - Hydrogenolysis of Glycerin



Courtesy of BASF

