

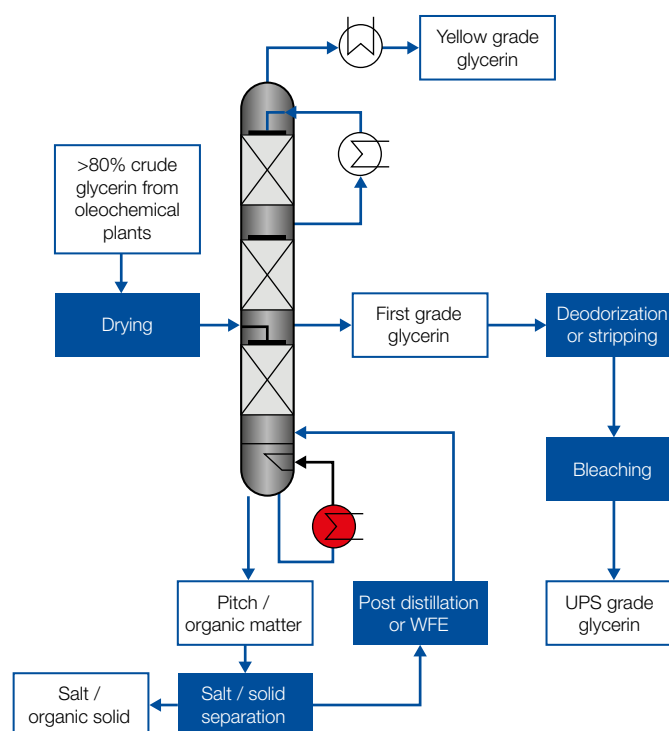
High purity glycerin

The market price for glycerin is in uptrend due to supply and demand dynamics. There is a significant price difference of about USD 460 per ton between the average price of crude glycerin and USP grade glycerin. The price differential is even larger at USD 820 per ton between USP glycerin and Pharma grade propylene glycol (PG). Sulzer Chemtech offers unique process solution for crude glycerin separation and refining.

Our glycerin refining features

- USP grade glycerin product
- Flexible salt separation: WFE / Decanter / Decanter + WFE
- Reference plants in operation
- Conversion cost < USD 80 per ton (conversion costs includes utilities, manpowers, CAPEX depreciation, waste and SG&A)

Parameter	Typical
USP grade glycerin purity, weight %	≥99.7
Color of USP grade, APHA	≤10
Moisture content, weight %	<0.5



Sulzer also offers glycerin to propylene glycol: GTC-ProG™

- with 1,2-PG selectivity: >95%
- and 1,2-PG product after fractionation >99.5wt%

In biodiesel production, our DC coalescer efficiently separates biodiesel/glycerin with <1% heavy phase in the light phase. It reduces the need for high excess methanol diminished the catalyst necessary for the reaction; and it requires about half the size of the original settling tank in the final biodiesel-glycerin separation.

The Sulzer applications group

Sulzer Chemtech has over 150 years of in-house operating and design experience in process applications. We understand your process and your economic drivers. Sulzer has the know-how and the technology to design internals with reliable, high performance.