

DAFTAR PUSTAKA

- Aldrich, S. (2021) *Safety Data Sheet. Acetol*. Available at: www.sigmaaldrich.com.
- Alibaba (2023a) *Copper chromite/CAS 12018-10-9*. Available at: https://www.alibaba.com/product-detail/Copperchromite-CAS-12018-10%209_60729921397.html?spm=a2700.galleryoffer%20list.normal_offer.d_title.39d42aa1pGplm1 (Accessed: 25 July 2023).
- Alibaba (2023b) *Glycerol/glycerin manufacturer in indonesia good quality usp grade barrel pack 99.7% glycerine*. Available at: https://www.alibaba.com/product-detail/Glycerine-Glycerol-glycerin-Manufacturer-In-Indonesia_1600549728579.html?spm=a2700.galleryofferlist.topad_classic.d_image.23a8309d0G9YLE (Accessed: 25 July 2023).
- Bassler and et al. (2010) 'METHOD FOR THE CONTINUOUS PRODUCTION OF PROPYLENE GLYCOL'. United States.
- BPS (2023) *EKSPOR DAN IMPOR*, <https://www.bps.go.id/exim/>.
- Branan, C. (2002) *Rules of Thumb for Chemical Engineers*. 3rd Edition. Houston: Gulf Publishing Company.
- Brownell, L. E & Young, E.H. (1959) *Process Equipment Design*. New York: John Wiley & Sons, Inc.
- Chatterjee, K., Hall, K.; and Tell, S. (2011) *Glycerol to Propylene Glycol*. Available at: http://repository.upenn.edu/cbe_sdrhttp://repository.upenn.edu/cbe_sdr/26.
- Ding and et al. (2013) 'PROCESS FOR CONVERTING GLYCERIN INTO PROPYLENE GLYCOL'. United States.
- Geankoplis, C.J. (1993) *Transport Processes and Unit Operations*. 3rd edn. New Jersey: Prentice-Hall, Inc.
- Green, D W & Perry, R.H. (2008) *Perry's Chemical Engineers' Handbook*. 8th edn. Edited by D.W. Green. New York: McGraw-Hill. Available at: <https://doi.org/10.1036/0071422943>.
- Goebbel, H. (2010) 'Method for The Continuous Production of Propylene Glycol',

2(12).

Handayani, S. (2022) *Diktat Ekonomi Teknik*. Serpong: Institut Teknologi Indonesia.

Hastings, R.N. *et al.* (2017) '(12) United States Patent ;: A : Stal', 2(12).

Husnil, Y.A. (2018) *Diktat OTK 2*. Tangerang Selatan: Institut Teknologi Indonesia.

Indexbox (2023) *Propylene Glycol Market in Indonesia*. Available at: <https://app.indexbox.io/report/290532/360/> (Accessed: 27 April 2023).

Indiamart (2023a) *Beads Water Treatment Ion Exchange Resins, For Softening And Demineralization*. Available at: <https://www.indiamart.com/proddetail/water-treatment-ion-exchange-resins-22038669373.html> (Accessed: 25 July 2023).

Indiamart (2023b) *Hydrogen Gas*. Available at: <https://www.indiamart.com/proddetail/hydrogen-gas-13511836348.html> (Accessed: 25 July 2023).

Kanitkar, S. (2014) *Modeling and Analysis of Production of Propylene Glycol over Copper Chromite*. University of Louisiana at Lafayette.

Kern, D.Q. (2019) *Process Heat Transfer*. 2nd edn. New Jersey: Scrivener.

Kirk-Othmer (2004) 'Raymond E Kirk_ Donald F Othmer_ Martin Grayson_ David Eckroth_ et al-Kirk-Othmer Encyclopedia of Chemical Technology Vol 5 -Wiley (2004)'

Knottnerus, J.A. (2007) *Propylene glycol (1,2-Propanediol)*. Den Haaag. Available at: www.gr.nl.

LabChem (2020) *Safety Data Sheet. Water*. Available at: www.labchem.com.

Marinoiu, A. *et al.* (2013) 'Hydrogenolysis of glycerol to propylene glycol using heterogeneous catalysts in basic aqueous solutions', *Reaction Kinetics, Mechanisms and Catalysis*, 110(1), pp. 63–73. Available at: <https://doi.org/10.1007/s11144-013-0596-8>.

Mc Cabe, W L; Smith, J. C;Harriot, P. (2005) *Unit Operations of Chemical Engineering*. 7th edn. New York: McGraw-Hill.

Neogen (2020) *Safety Data Sheet. Propylene Glycol*. Available at: https://www.neogen.com/globalassets/pim/assets/original/10020/416184_79231_sds_en-us.pdf.

Prawiro, M. (2020) *Pengertian PT / Perseroan Terbatas, Ciri-Ciri, Jenis, dan Contoh Perseroan Terbatas*. Available at: <https://www.maxmanroe.com/vid/bisnis/pengertian-pt.html> (Accessed: 23 July 2023).

PT. Samator Indo Gas Tbk (2022) *Material Safety Data Sheet (MSDS). Hydrogen*. Available at: <https://samatorgas.com/assets/content/files/LDKB-07%20Lembar%20data%20Keselamatan%20Bahan%20HIDROGEN%2017jun22.pdf>.

Reklaitis, G. V. (1983) *Introduction to Material and Energy Balances*. United States: John Wiley & Sons, Inc.

Sinnot, R.K. (2005) *Chemical Engineering Design*. 4th edn. Oxford: Butterworth - Heinemann.

Smith, J.M. (2017) *Introduction to Chemical Engineering Thermodynamics*. 8th edn. New York: McGraw-Hill.

Suppes (2016) 'METHOD OF PRODUCING LOWER ALCOHOLS FROM GLYCEROL '. United States.

Tokopedia. [online] (2023) *Tokopedia.com*. Available at: www.tokopedia.com (Accessed: 27 August 2023).

Trade Map (2023) *List of Importing Countries for Propylene Glycol in 2022*. Available at: https://www.trademap.org/Country_SelProduct_Map.aspx?nvpm=1%7c%7c%7c%7c%7c2905%7c%7c%7c4%7c1%7c1%7c1%7c1%7c2%7c1%7c1%7c3 (Accessed: 18 April 2023).

Walas, S.M. (1988) *Chemical Process Equipment*. Washington: Butterworth - Heinemann.

Yaws, C.L. (1999) *Chemical Properties Handbook*. Texas: Mc. Graw Hill.

Yaws, C.L. *et al.* (2015) *The Yaws Handbook of Vapor Pressure Antoine Coefficients Second Edition*. Available at: www.elsevierdirect.com/rights.