7/6/71
K.E.B.

Surface Tension

Perry 3-223

[P] : . (6.1) 2 = 12.2

REID & SHERWOOD pg. 378

TENTATIVE PROCESS ON MCS 1016

29.5 DYNE/cm. @ 129.2°C

$$\gamma_1/\gamma_2 = [(1-T_{r_1})/(1-T_{r_2})]^{1.2}$$

$\gamma_2 = 29.5$ $\quad T_{r_2} = \frac{129.2°C + 273}{512+273} = \frac{402}{785} = 0.512$

$T_c = 512°C$

$$T_{r_1} = \frac{225+273}{785} = \frac{498}{785} = 0.635$$

$$\gamma = 29.5\left[(1-.635)/(1-.512)\right]^{1.2}$$

$$= 29.5\left[.265/.488\right]^{1.2}$$

$$= 29.5\left[0.542\right]^{1.2}$$

$$= 29.5\left[.48\right]$$

$$= \underline{14.15} \quad @ \underline{225°C}$$

DSW 297100