

ERRATUM

In the article "Primary Alkane Sulfonates," by J. R. Wechsler and A. M. Koberda (*JAOCs* 60:2012-2014, 1983), the tables were inadvertently omitted. The following are the tables from that paper.

TABLE I

Solubility, % in Saturated Aqueous Solution

R-SO ₃ ⁻ Chain length	Na ⁺		K ⁺		NH ₄ ⁺ 25 C
	25 C	45 C	25 C	45 C	
R = 12	0.18	18.7	3.0	34.6	36.5
R = 14	0.09	0.38	0.40	9.8	27.9
R = 14-16	0.31	0.71	—	—	—
R = 16	0.03	0.14	0.08	0.58	27.9
R = 18	0.005	—	0.08	0.17	26.9

TABLE II

Krafft Points (for Clarity of 1.0% Solutions) (temperature [C])

Chain length	RSO ₃ Na	RSO ₃ K	RCO ₂ Na
R = 12	38	10	24
R = 14	48	38.5	43
R = 14-16	47	39	—
R = 16	57	50	57
R = 18	70	57	—

TABLE III

Surfactancy of Sodium Salts, 0.10% Active Solutions, Measured at 45 ± 1 C (above Krafft Point)

Anion	Chain length	Wetting draves (sec)	Foam height Ross-Miles (cm)	Surface tension (dyne/cm)
AOS	14-16	10.7	16.0/15.0	36.5
PAS	12	30.7	4.5/0	42.3
PAS	14	8.5	15.5/12.5	41.0
PAS	14-16	10.6	16.0/14.0	43.5
PAS	16	19.0	14.5/14.0	38.0

TABLE IV

Detergency (as Percentage of Standard)

RSO ₃ Na	US testing swatch (%)	Test fabrics swatch (%)
R = C ₁₂	89.2	88.1
R = C ₁₄	97.3	89.3
R = C ₁₆	98.8	98.3
R = C ₁₈	100	98.3
R = C ₂₀	103.3	100
R = C ₂₂	95.8	87.9
R = C ₁₁ -C ₁₄	89.5	85.7
R = C ₁₅ -C ₁₈	98.5	98.6
R = C ₁₅ -C ₂₀	101.2	99.5