

Calculation of Solubility of FC-90 from
its distribution coefficient (0.65)

$$\log S = \frac{6.5 - \log K_{ow} - 0.015 mp}{0.89}$$

Mid point of melting ~~point~~ range = 110°C

$$\log S = \frac{6.5 - \log .65 - 0.015 \times 110}{0.89}$$

$$\log S = 5.65$$

$$S = 456717 \text{ } \mu\text{moles/l}$$

$$S = 0.457 \text{ moles/l}$$

FC-90 MW = 548

$$S = 250 \text{ g/l}$$

EAR

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