

〈速報〉

## 界面活性剤の分子構造と性能

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### Relationship Between Structure and Properties of Surfactants

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We investigated emulsifying properties of polyoxyethylene sorbitol polyoleate, which has a multi-chain structure in the molecule and a relatively large molecular weight. This compound may be regarded as an oligomer of ordinary surfactants that consist of one hydrophilic and one hydrophobic group. Phase inversion temperature, stability and size-distribution of emulsions stabilized by this surfactant were determined. Our results indicate that this compound is effective as an emulsifier at even a low concentration and that it has excellent emulsifying activity on relatively high polar oils.