

# Viscosity of Molten Rare Earth Metal Trichlorides

## I. $\text{CeCl}_3$ , $\text{NdCl}_3$ , $\text{SmCl}_3$ , $\text{DyCl}_3$ and $\text{ErCl}_3$

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The kinematic viscosity of molten  $\text{CeCl}_3$ ,  $\text{NdCl}_3$ ,  $\text{SmCl}_3$ ,  $\text{DyCl}_3$  and  $\text{ErCl}_3$  has been measured by using a capillary viscometer. The dynamic viscosity was computed by using density data taken from the literature. The viscosity increases with going from  $\text{CeCl}_3$  to  $\text{ErCl}_3$ . The activation energy of the viscous flow, calculated by the Arrhenius equation, rises in the same order.

*Key words:* Viscosity; Molten Salts; Rare Earth Metal Chlorides.