## Answer on Question #49193, Chemistry, Other

## Task:

A 100 ml solution contains 4.7 g MgCl (M=94 g/mol).The density of the solution is 1.03 g/ml. Express the concentration of the solution in: b) M

## Answer:

$$C_{M}(MgCl) = \frac{V(MgCl)}{V(MgCl)}$$

$$V(MgCl) = \frac{m(MgCl)}{M(MgCl)} = \frac{4,7}{94} = 0.05 \, mol$$

$$C_{M}(MgCl) = \frac{0.05}{0.1} = 0.5 \, M$$