COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) Magnesium, (T-4)-bis(4-amino-N-2-thiazolylbenzenesulfonamidato-N,N,O)- hydrate; $C_{18}H_{16}MgN_6O_4S_4 \cdot nH_2O$; [84812-78-2] (2) Hydrochloric acid; HCl; [7647-01-0] (3) Water; H_2O; [7732-18-5]	Tskitishvili, M. G.; Shvelashvili, A. E.; Mikadze, I. I; Zhorzholiani, N. B.; Chrelashvili, M. V. *Izv. Akad. Nauk Gruz. SSR, Ser. Khim.* 1981, *7(4)*, 300-4.
VARIABLES:	PREPARED BY:
pH	R. Piekos

EXPERIMENTAL VALUES:

K_{so} over the HCl concentration range 5.0×10^{-3} to 1.5×10^{-5} mol dm^{-3} at 25°C is 4.05×10^{-4}.

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:	SOURCE AND PURITY OF MATERIALS:
The earlier described apparatus and method was used (1): in a glass vessel, a mixt of 100 ml of HCl of appropriate concn and the solute were placed and shaken for 6 h in a water thermostat at 25°C. After attaining equilibrium, the pH of the soln was measured and the Mg^{2+} and S content was determined to calculate K_{so}. The pH was measured on a pH-673 pH meter.	0.1M solns of chem pure $Mg(OAc)_2$, monosodium salt of sulfathiazole, and HCl as well as doubly distd water were used. The source of the materials was not specified.
	ESTIMATED ERROR:
	Nothing specified.
	REFERENCES:
	1. Tskitishvili, M. G.; Mikadze, I. I. *Soobshch. Akad. Nauk. Gruz. SSR* 1978, *89(3)*, 589.