

COMPONENTS: (1) Sodium chlorate; NaClO ₃ ; [7775-09-9] (2) Water; H ₂ O; [7732-18-5]	ORIGINAL MEASUREMENTS: Blanc, M.L.; Schmandt, W. Z. Physik. Chem. <u>1911</u> , 77, 614-638.																		
VARIABLES: T/K = 277.93, 293.00, 303.18, 308.25 and 317.87	PREPARED BY: Hiroshi Miyamoto																		
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of NaClO₃^a</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>t/°C</th> <th>mass %</th> <th>mol kg⁻¹</th> </tr> </thead> <tbody> <tr> <td>4.78</td> <td>45.47</td> <td>7.834</td> </tr> <tr> <td>19.85</td> <td>48.91</td> <td>8.994</td> </tr> <tr> <td>30.05</td> <td>51.22</td> <td>9.865</td> </tr> <tr> <td>35.10</td> <td>52.36</td> <td>10.33</td> </tr> <tr> <td>44.72</td> <td>54.50</td> <td>11.25</td> </tr> </tbody> </table> <p>^a Molalities calculated by the compiler.</p>		t/°C	mass %	mol kg ⁻¹	4.78	45.47	7.834	19.85	48.91	8.994	30.05	51.22	9.865	35.10	52.36	10.33	44.72	54.50	11.25
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METHOD/APPARATUS/PROCEDURE: Nothing specified.	SOURCE AND PURITY OF MATERIALS: Nothing specified. ESTIMATED ERROR: Nothing specified. REFERENCES:																		

COMPONENTS: (1) Sodium chlorate; NaClO ₃ ; [7775-09-9] (2) Water; H ₂ O; [7732-18-5]	ORIGINAL MEASUREMENTS: Bell, H.C. J. Chem. Soc. <u>1923</u> , 123, 2712-3.																																				
VARIABLES: T/K = 273 - 373	PREPARED BY: Hiroshi Miyamoto																																				
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METHOD/APPARATUS/PROCEDURE: A solution of sodium chlorate, saturated at the boiling point, was stirred vigorously in an electrically controlled thermostat at the required temperature for about three hours. A weighed sample was evaporated in a conical flask by immersing this in a bath at 100°C and gently distilling benzene on to the surface of the liquid. In about fifteen minutes the salt was obtained in a thin crust over the bottom of the flask. A shallow layer of benzene was then poured into the flask, which was heated in an air oven at 120°C until its weight was constant. The necessary buoyancy corrections were made to the observed weighings.	SOURCE AND PURITY OF MATERIALS: Nothing specified. ESTIMATED ERROR: Soly: nothing specified. Temp: precision ± 0.02 K. REFERENCES:																																				

COMPONENTS: (1) Sodium chlorate; NaClO ₃ ; [7775-09-9] (2) Water; H ₂ O; [7732-18-5]	ORIGINAL MEASUREMENTS: Treadwell, W.D.; Ammann, A. <i>Helv. Chim. Acta.</i> <u>1938</u> , <i>21</i> , 1249-56.
VARIABLES: One temperature: 293 K	PREPARED BY: Hiroshi Miyamoto
EXPERIMENTAL VALUES: The solubility of sodium chlorate in water at 20°C was given as: 9.20 mol kg^{-1} The concentration solubility product was also given simply as the square of the solubility: $8.46 \times 10^1 \text{ mol}^2 \text{ kg}^{-2}$	
AUXILIARY INFORMATION	
METHOD/APPARATUS/PROCEDURE: No information was given.	SOURCE AND PURITY OF MATERIALS: No information was given. ESTIMATED ERROR: Nothing specified. REFERENCES: