

INDUSTRIAL
CHEMICALS
DIVISION



Bulletin 17-2A

Typical Property Data for PQ[®] Liquid Sodium Silicates

PQ Liquid Sodium Silicates are solutions of soda (Na_2O) and silica (SiO_2) in water. PQ manufactures liquid sodium silicates from sodium silicate glass, which is produced in furnaces by melting high purity sand with soda ash.

PQ Liquid Sodium Silicates are alkaline (pH 11-12) and available in a wide range of silica:soda ratios and total dissolved solids for use in numerous industrial applications. For additional information, see our website: www.PQCorp.com

PQ Liquid Sodium Silicates are characterized by the property data shown below. The properties and ranges shown are typical values, not manufacturing specifications. Physical properties are measured at 20°C (68°F). Filtered product is available as N[®]Clear. For more information, contact PQ Technical Service at 416-201-4355.

PQ CORPORATION

CORPORATE HEADQUARTERS

PO Box 840
Valley Forge, PA 19482-0840
Phone: 800-944-7411

IN CANADA

National Silicates
Phone: 416-255-7771

IN MEXICO

Silicates y Derivados, S.A.
Phone: 52-555-227-6801

IN EUROPE

PQ Europe
Phone: 31-33-450-9030

IN AUSTRALIA

PQ Australia Pty. Ltd.
Phone: 61-3-9708-9200

IN TAIWAN

PQ Silicates Ltd.
Phone: 886-2-2383-0515

PQ Product Name	Wt Ratio $\text{SiO}_2:\text{Na}_2\text{O}$ ±0.05	Wt % Na_2O ±0.2	Wt % SiO_2 ±1.0	Wt % Solids ±2.5	Density			Viscosity cps
					°Be' ±0.5	lb/gal	g/cm ³	
N [®] , N [®] Clear	3.22	8.9	28.7	37.6	41.0	11.6	1.38	180
N [®] 38	3.22	8.2	26.4	34.6	38.0	11.3	1.36	60
STIXSO [®] RR	3.25	9.2	30.0	39.2	42.7	11.8	1.41	830
E [®]	3.22	8.6	27.7	36.3	40.0	11.5	1.38	100
O [®]	3.22	9.1	29.5	38.6	42.2	11.8	1.41	400
K [®]	2.88	11.0	31.7	42.7	47.0	12.3	1.48	960
M [®]	2.58	12.4	32.1	44.5	49.3	12.6	1.52	780
STAR [®]	2.50	10.6	26.5	37.1	42.0	11.7	1.41	60
RU [®]	2.40	13.8	33.2	47.0	52.0	13.0	1.56	2,100
D [®]	2.00	14.7	29.4	44.1	50.5	12.8	1.53	400
BW [®] 50	1.60	16.4	26.2	42.6	50.3	12.8	1.53	280

PQ Corporation is a leading producer of silicate, zeolite, and other performance materials serving the detergent, pulp and paper, chemical, petroleum, catalyst, water treatment, construction, and beverage markets. It is a global enterprise, operating in 19 countries on five continents, and along with its chemical businesses, includes Potters Industries, a wholly owned subsidiary, which is a leading producer of engineered glass materials serving the highway safety, polymer additive, metal finishing, and conductive particle markets.

Although the information and suggestions in this brochure ("information") are believed to be correct, PQ Corporation makes no representations or warranties as to the completeness or accuracy of the information. The information is supplied upon the following conditions: The persons receiving the information will determine its suitability for their purposes; PQ Corporation will not be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon, the information or the materials, devices or products to which the information refers; No information is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent; PQ Corporation makes no representation or warranty, express or implied, that the use thereof will not infringe any patent; and NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE MATERIALS, DEVICES OR PRODUCTS TO WHICH THE INFORMATION REFERS.

Copyright © 2013 by PQ Corporation.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher and copyright holder.

