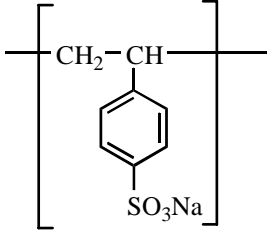




P o l y - N a S S

Technical Report

1. Structure and Chemical name

Structure 	Chemical Name	Sodium p-styrenesulfonate homopolymer
	CAS No.	25704-18-1
	MITI	(6) -122
	TSCA	Listed
	EINECS	monomer is listed

2. Specification

	PS-1	PS-5	PS-50	PS-100	PS-35
Appearance	Red clear liquid	Light yellow clear liquid	Light yellow clear liquid	Light yellow clear liquid	APHA: <60
Active Solid content (%)	20-22	20-22	20-22	20-22	20-22
Viscosity(mPa,s) (25°C)	5-10	20-50	200-500	800-1600	250-400
pH	6-9	7-9	7-9	8-11	11-13
Molecular Weight (× 10 ⁴)	1-3	5-10	40-60	80-120	40-60
note					Special grade

All specifications in this publication are subject to change without notice.

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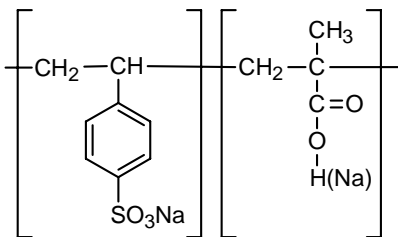
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TEL:+81-3-5427-5168
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E-mail:organics@tosoh.co.jp
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P - N a S S M A s e r i e s

Technical Report

1. Structure and Chemical name

Structure	Chemical Name	Sodium p-styrenesulfonate / Methacrylic acid copolymer
	CAS No.	57833-28-0
	MITI	6-1596
	TSCA	Listed
	EINECS	each monomer are listed

2. Tentative Specification

Appearance	Light yellow clear liquid
Active Solid content (%)	20-23
Viscosity(mPa,s)25°C	<10
pH	8-10
MAA-Na/NaSS mol ratio	1:4
Molecular Weight	<10 ⁴

* We can produce various range of molecular weight and NaSS / MAA-Na mol ratio according to customer needs. Please contact us.

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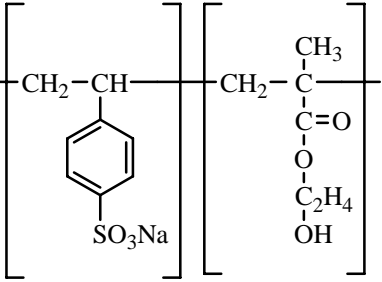
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P - NaSS H M series

Technical Report

1. Structure and Chemical name

Structure 	Chemical Name	Sodium p-styrenesulfonate / 2-Hydroxyethyl methacrylate copolymer
	CAS No.	96361-50-1
	MITI	6-1720
	TSCA	Not Listed
	EINECS	each monomer are listed

2. Tentative Specification

Appearance	Light yellow clear liquid
Active Solid content (%)	20-22
Viscosity(mPa,s)25°C	20-50
pH	6-9
HEMA/NaSS mol ratio	1:3
Molecular Weight (× 10 ⁴)	5-10

* We can produce various range of molecular weight and NaSS / HEMA mol ratio according to customer needs. Please contact us.

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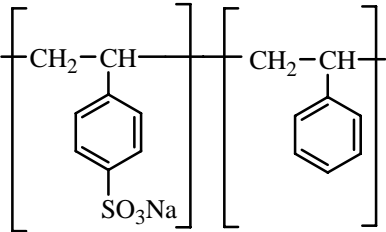


TOSOH

P - NaSS ST series

Technical Report

1. Structure and Chemical name

	Chemical Name	Sodium p-styrenesulfonate / Styrene copolymer
	CAS No.	31619-79-1
	MITI	6-122
	TSCA	Listed
	EINECS	each monoer are listed

2. Tentative Specification

	ST-5008L	ST-5005	ST-6001
Appearance	Light yellow clear liquid	Light yellow clear liquid	Light yellow clear liquid
Active Solid content (%)	20-22	20-22	20-22
Viscosity(mPa,s) (25°C)	4-6	6-10	5-15
pH	6-9	6-9	6-9
ST/NaSS mol ratio	1:1	1:1	6:4
Molecular Weight (× 10 ⁴)	0.6-0.9	3-5	1-2

* We can produce various range of molecular weight and NaSS / Styrene mol ratio according to customer needs. Please contact us.

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