

Low Hardness Antiscalant for RO

Doshion 53 is an effective antiscalant for Reverse Osmosis Membrane Systems using low hardness water as feed water. Doshion 53 is effective against Calcium Carbonate deposition

Doshion 53 prevents Calcium carbonate precipitation and fouling. It is also an effective inhibitor for calcium and other scale formation salts when used along with Acid.

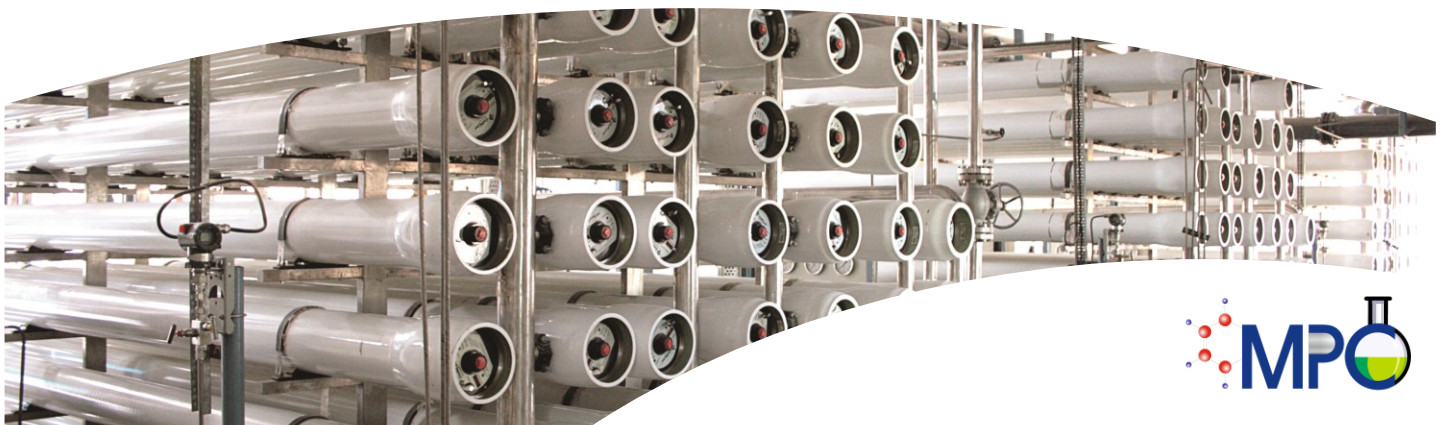
Advantages:

- Effective calcium Carbonate antiscalant in low hardness water.
- Liquid product, safe and simple to handle.
- Effective when used along with Acid
- Compatible with all membrane types.

Physical and Chemical Properties	
Physical state	Powder
Appearance	Colourless
Odour	Slightly acidic
Specific gravity	1.19 - 1.22 @ 25 °C
Density	NA
Solubility in water	99.99 %
pH Saturated Solution	6 – 7
Freezing point	NA
Vapor pressure	NA

Stability and Reactivity	
Stability	Stable
Reactivity	Avoid contact with oxidizer, acids, and water, incompatible with nitrates and sodium nitrite: vigorous exothermic reaction.
Conditions to avoid	Temperatures above 150°C (302°F), contact with or storage with nitrates and sodium nitrite.

Recommended dosage rate of **Doshion 53** in the feed water is 5 – 10 mg/l, depending on the operating pH and temperature and silica levels. Your Doshion product engineer will help you in designing the optimum dosage.



Full Range of Membrane Performance Chemical

RO Membrane Chemicals	UF Membrane Chemicals	EDI Membrane Chemicals	Speciality Chemicals
DCC – Bior	DCC - UFC - I	EDC - SNO - IO - 56	Doshion – 1180
DCC – Inor	DCC - UFC - O	EDC - SNO - IO - 74	Doshion – C 8100
DCC - Col	DCC - UFC - C		Doshion – 3426
DCC - Stor	DCC - UFC - S		Doshion – 9711 (P)
Doshion - 51 (HS)			Doshion – 9718 (Z)
Doshion - 52 (L)			
Doshion - 53			
DoScale - 65			
Doshion - 6311 - LS			

Full Range of Ion Exchange Resins

Cation Exchange Resin	Anion Exchange Resin	Speciality Resin	DM Resin
CSA 121	GA 11	DCHR 74	DMB 13
CSA 9	GA 12	DCHR 78	
CSA 9 L	GA 13	DIRM 412	
CSA 29	ASB 108	DCR 11	
CSA 609 D	ASB 171	CWS 66 D	
CWA 63	ASB 1080 D UPS	DMB 13 S	
CWA 92 D	ASB 8020 D	CGC 1200	
CSA 309	AWB 7020 D	CMC 1900	
	AWB 7030 D	CMC 2400	
	AWB 7050 D		
	GA 711		

Full Range of Pharmaceutical Polymers

Active Pharma Ingredients	Excipients	Speciality Polymers	Ready Mix & Ready to Use
Doshion P-504 (Sodium Polystyrene Sulphonate USP / EP)	Doshion P-504 (Polystyrene Resin)	Doshion P-520	Doshion P-542 AB (R)
Doshion P-548 BP (Calcium Polystyrene Sulphonate BP)	Doshion P-514	Doshion P-535	Azithromycin Taste Masked (7.5%)
Doshion P-548 JP (Calcium Polystyrene Sulphonate JP)	Doshion P-542		
Doshion P-550 (Cholestyramine Resin USP / EP)	Doshion P-542 AB		
	Doshion P-542 CP		
	Doshion P-542 D		
	Doshion P-544 C		
	Doshion P-544 R		
	Polyflash Doshion P-544 DS		
	Doshion P-544 DS (Cipro)		
	Polyflash Doshion P-544 DB		
	Polyflash Doshion P-544 D		
	Doshion P-550		
	Doshion P-551 (Polyacrilix Resin)		

doshion[®]
Translating Source Into Resource

Doshion Poly Science Pvt. Ltd.

Building Number: 9 – 10, Sigma Corporates,
Off. Sindhu Bhavan Road, Ahmedabad – 380054, Gujarat, India

+91 079 – 4800 7766 | polymers@doshion.com | www.doshionpoly.com

