Sun Brand™

Water-treatment polymers by Suraj Chemicals, Chennai

PRODUCT CATALOGUE

The Sun Brand range

Polyelectrolyte flocculants and specialty polymers manufactured by Suraj Chemicals, Chennai. ISO 9001:2015 certified company.

Sunfloc polyelectrolytes: the star of the range

HQ grades carry a full specification and come in 25 kg bags. MQ grades are specified on core parameters and come in 10 kg bags. All four are polyacrylamide, CAS 9003-05-8.

Sunfloc Anionic HQ

Anionic polyacrylamide flocculant

Ionic character	Anionic
Form	Granular solid
Colour	White
Major content	Polyacrylamide (CAS 9003-05-8)
Molecular weight	Very high
Charge density	Medium
Total solid content	88.0 – 100.0 %
Residual acrylamide	0 – 999 ppm

Sunfloc Anionic MQ

Anionic polyacrylamide flocculant

Ionic character	Anionic
Form	Granular solid
Colour	White
Major content	Polyacrylamide (CAS 9003-05-8)
Bulk density	0.72 – 0.78 g/cc
pH	7.4 – 7.6 (0.1% solution)
Maximum use concentration	5 g/L
Shelf life	24 months

Sunfloc Cationic HQ

Cationic polyacrylamide flocculant

Ionic character	Cationic
Form	Granular solid
Colour	White
Major content	Polyacrylamide (CAS 9003-05-8)
Molecular weight	High
Charge density	Medium
Total solid content	90.0 – 100.0 %
Residual acrylamide	0 – 999 ppm

Sunfloc Cationic MQ

Cationic polyacrylamide flocculant

Ionic character	Cationic
Form	Granular solid
Colour	White
Major content	Polyacrylamide (CAS 9003-05-8)
Bulk density	0.72 – 0.78 g/cc
pH	4 – 9 (working range)
Maximum use concentration	5 g/L
Shelf life	24 months

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Sunfloc

A Sun Brand range by Suraj Chemicals, Chennai

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Sun Brand specialty polymers

SunMac SC04

Liquid cationic polymer

Generic name	Cationic polymer
Material description	Clear liquid
Non-volatile solids	39.0 – 42.0 %
pH on solution	5.0 – 7.0
Viscosity	8000 – 12000 cP (LVT Brookfield, LV3, 6 rpm)
Packaging	Drums
Shelf life	24 months

SunDec SC05

Decolorant polymer

Generic name	Dicyandiamide resin
Material description	Colourless to yellow liquid
Non-volatile solids	48.0 – 52.0 %
pH on solution	3.0 – 6.0
Viscosity	10 – 400 cP (LVT Brookfield, LV1, 30 rpm)
Packaging	Drums
Shelf life	24 months

SunRedep SC03

Anti-soil redeposition and anti-encrustation polymer

Material description	Clear colourless to pale yellow liquid
Ionic character	Anionic
Charge density	High
Non-volatile solids	47.0 – 53.0 %
pH on solution	2.5 – 4.0
Viscosity	100 – 800 cP (LVT Brookfield, 30 rpm)
Storage temperature	0 – 35 °C
Shelf life	12 months

SunRedep SC10

Anti-soil redeposition and anti-encrustation polymer

Material description	Clear liquid
Ionic character	Anionic
Charge density	Very high
Non-volatile solids	38.0 – 42.0 %
pH on solution	6.0 – 8.0
Viscosity	2000 – 5000 cP (LVT Brookfield, LV3, 12 rpm)
Storage temperature	0 – 35 °C
Shelf life	6 months

Choosing a charge

Application	Usual charge
ETP and STP clarification after coagulation	Anionic
Sludge dewatering	Cationic
Textile, tannery and pharma effluent	Cationic
Municipal and drinking water	Anionic
Paper mill effluent	Anionic
Mining, sand and coal washing	Anionic
Sugar mill effluent	Anionic
Steel plant process water	Anionic

Spec sheets and SDS: www.surajchemicals.in/quality-and-documents

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