

Product Data Sheet

SDF Gel 38% (Silver Diamine Fluoride)

Description

Description	SDF Gel 38% is a silver diamine fluoride solution supplied as a raw material / bulk active ingredient for dental-formulation manufacturers. In finished dental products, this active is used in professional caries-arrest applications.
Recommended Use	Bulk raw material / active ingredient supply to licensed dental-product manufacturers and formulators only
Restrictions on Use	Not supplied as a finished, clinically-labelled dental product; not for direct clinical or consumer use in the form supplied

Key Benefits

- High and consistent active silver/fluoride content batch to batch
- Supplied with full Certificate of Analysis for formulator quality control
- Bulk supply format suited to licensed dental-product manufacturing

Technical Specifications

Parameter	Unit	Specification	Test Method
Silver Diamine Fluoride (SDF)	% w/v	38	Titration / ICP-MS
Silver (Ag) Content	% w/v	≈ 24 - 27	ICP-MS / AAS
Fluoride (F) Content	% w/v	≈ 5 - 6	Ion-Selective Electrode
Appearance	—	Colourless to pale yellow liquid; darkens on light/air exposure	Visual
pH	—	8 - 10	pH Meter

Regulatory Note

IMPORTANT: SDF is regulated as a dental drug and/or medical device in most jurisdictions (e.g., FDA-cleared devices in the United States, CE-marked products in the EU). Ochnology supplies this as a bulk raw material / active ingredient to licensed formulators and manufacturers only. This Technical Data Sheet and any accompanying documentation do NOT constitute, and are not a substitute for, the regulatory clearance, GMP manufacturing licence, or distribution authorization required to market a finished SDF product in any jurisdiction. Buyers are solely responsible for obtaining all applicable regulatory approvals before formulating, labelling, or distributing a finished product.

Packaging

Packaging	Amber glass or HDPE bottles (light-protected), 500 mL / 1L / 5L; bulk drums on request
------------------	--

Storage & Handling

- Store in light-protected (amber) containers away from direct light and heat
- Keep tightly sealed; product darkens with light/air exposure over time
- Store away from incompatible materials; refer to Safety Data Sheet before handling

Disclaimer: Provided as a general guide, subject to revision; buyers should confirm suitability through their own testing and regulatory review for their destination market.