

HIGHLY CONCENTRATED SOLAR PANEL CLEANING SOLUTION

Description

NIROCLEAN SPC is a highly concentrated, pH-neutral, non-abrasive solar panel cleaning solution formulated for the professional maintenance of photovoltaic (PV) modules. It delivers maximum cleaning power, effective mineral chelation, streak-free drying, and hydrophobic protection. Thanks to its specialized surface-active ingredients, the product leaves an anti-static film that reduces the accumulation of deposits, thereby increasing the time between maintenance cycles and improving the overall efficiency of solar panels.

It is designed to remove dust, dirt, bird droppings, oily films, and environmental pollutants while remaining safe for anti-reflective coatings, tempered glass, and aluminum frames.

NIROCLEAN SPC must be diluted with water before use.

Advantages

- Highly effective dual-surfactant cleaning system
- Improve anti-static and anti-soiling performance
- Streak-free, fast-drying finish
- Safe for all solar panel coatings
- Compatible with normal drinking water
- Concentrated formula allows economical dilution ratios
- Biodegradable

Typical Applications

- Solar farms
- Rooftop solar installations
- Commercial and industrial PV systems
- Residential solar panels
- Glass surfaces requiring residue-free cleaning

Characteristics

Form	: Liquid
Colour	: Light Orange
pH (Concentrate)	: 7 ± 1
Chloride ion content	: Nil
Solubility	: Completely soluble in water

Recommended Dilution

Normal Cleaning : 1:30 with RO water

Heavy Soiling : 1:20 with RO water

Light Maintenance : 1:50 with RO water

NIROCLEAN SPC can be diluted with normal drinking water, as it is compatible with it. However, for best results, clean RO or demineralized water is recommended for dilution.

Application Method

- Dilute NIROCLEAN SPC as recommended.
- Apply using soft brushes, microfiber pads, or spray systems.
- Gently agitate to loosen dirt.
- Rinse with clean RO water if desired (usually not required).
- Allow panels to dry naturally

Coverage

Covers 18-25 m²/L diluted product.

Packaging

NIROCLEAN SPC is supplied in 5 kg, 20 kg, 210 kg drums or in bulk on request.

Technical support

NIRMAN CHEMICALS provides technical advisory services for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

Storage and Shelf life

- Store in a cool, dry, shaded area.
- Keep containers tightly closed when not in use.
- Protect from heat, sparks, and direct sunlight.
- Do not mix with acidic or strongly alkaline chemicals.

Shelf life is 24 months when stored as above.

Safety Information

- Avoid eye and prolonged skin contact.
- Use proper PPE (gloves, eyewear) during handling.
- In case of eye contact, rinse immediately with water.

- Refer to the product SDS for detailed safety guidelines

Fire

NIROCLEAN SPC is water based and non-flammable.

Cleaning of Tools

Clean all tools and application equipment with water immediately

Note

All Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue.

Field services where provided, does not constitute supervisory responsibility, for additional information contact our local NIRMAN CHEMICALS representative.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control.



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