

STR-4200 SOLAR PANEL CLEANER – ALKALINE & SURFACE-SAFE FORMULA

STR-4200 is a specially developed alkaline cleaning solution designed for solar panels, glass surfaces, and other light-transmitting systems. It is formulated to remove organic dirt, light greasy deposits, and environmental residues without leaving a film on the surface. The product is designed not to cause glare, haze, or performance loss on panel surfaces when used as directed. Its surface-safe alkaline structure provides effective cleaning while maintaining compatibility with delicate materials commonly used in solar energy and transparent surface applications.

Intended Use

The product is intended for the cleaning of solar panels, transparent protective surfaces, and related light-transmitting equipment requiring residue-free performance. It is suitable for routine maintenance cleaning where surface clarity, low residue, and safe removal of dirt and greasy contamination are essential. It is designed for professional and general maintenance applications on sensitive exterior surfaces.

Application Areas

The product may be used on photovoltaic solar panels, solar thermal collectors, glass surfaces, transparent plastic shields, greenhouse glass roof systems, solar tracking system platforms, and wind turbine-related washable surfaces. It is suitable for delicate outdoor surfaces requiring effective cleaning without visible residue or optical interference.

Product Advantages

The product is specially formulated for solar panel and transparent surface cleaning applications. It removes organic dirt and greasy deposits effectively while leaving no visible residue behind when used correctly. Its alkaline yet surface-safe formula helps maintain optical clarity and does not contribute to glare or performance loss on solar panel surfaces. The product is biodegradable and suitable for environmentally conscious maintenance programs. Its mild solvent-supported cleaning action also improves removal of light oily films and atmospheric contamination.

Directions for Use

Dilute 1 part product with 20 parts water before use. Spray the diluted solution onto the surface and spread

FOR MORE INFORMATION, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET



STR-4200 SOLAR PANEL CLEANER – ALKALINE & SURFACE-SAFE FORMULA

evenly using a soft brush or sponge. Allow it to remain on the surface for 3–5 minutes to loosen dirt and deposits, but do not allow it to dry. Rinse thoroughly with clean water after application. For best results, clean the surface under suitable conditions that prevent premature drying and excessive surface temperature.

Physical and Chemical Properties

Appearance: Clear liquid

Odor: Mild, solvent-like

pH (as supplied): Approx. 9.9

Form: Liquid

Biodegradability: Yes

Application Type: Residue-free cleaner for solar panels and transparent surfaces

Surface Effect: No visible residue when used as directed

Packing

Available in a range of packaging options from 500 ml up to 20 L, depending on customer preference, product type, and filling requirements.

Storage Conditions

Store in the original, tightly closed container in a cool, dry, and well-ventilated place. Recommended storage temperature is 5–30°C. Protect from direct sunlight, frost, and excessive heat.

Safety Information

Use the product only as directed. Avoid contact with eyes and prolonged skin contact. Do not mix with other cleaning chemicals unless compatibility has been confirmed. Keep out of reach of children and unauthorized persons. Refer to the Safety Data Sheet (SDS) for detailed information on safe handling, storage, first aid measures, and disposal.

General Information

The information provided in this Technical Data Sheet is based on current knowledge and practical experience.

FOR MORE INFORMATION, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET



STR-4200 SOLAR PANEL CLEANER – ALKALINE & SURFACE-SAFE FORMULA

It is intended as a general guideline for product application, handling, and storage, and does not constitute a guarantee of performance under all conditions of use.

FOR MORE INFORMATION, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET

ISO9001
CERTIFIED

