

# Power Electric Live Cleaning Detergent OLC-10-B

## Product Description

TDJ® OLC-10-B

## Power Electric Live Cleaning Detergent

This product is professionally used for cleaning and maintenance of power equipment. For some power and electrical equipment that cannot be cut off or has a high cost of power off, it can efficiently and safely remove comprehensive contamination caused by oil, dust, moisture, salt, ice and snow on high-voltage power and electrical equipment. Eliminate short circuit, heat generation, and discharge phenomena, avoid flashover accidents such as pollution flashover and fog flashover, prolong the service life of equipment, and reduce equipment loss.



## Advantages

1. The decontamination method of the live electrified cleaning agent is a purely physical method that decomposes nano-materials and wraps them away through liquid pressure, and efficiently removes dust, oil stains, carbon stains, salt, moisture, metal, dust and other pollution attached to various electrical and electrical equipment substance. After cleaning is finished, equipment service life can be extended, equipment stability operation can be improved, and the phenomenon of short-circuit ignition of the equipment and the decrease of insulation value can be avoided. After the equipment is cleaned, at least 95% of the insulation level can be recovered.
2. This product is non-toxic and harmless to people, PH value is neutral and non-corrosive, no corrosion to metal, coating, insulating coating, alloy, rubber and plastic products.
3. High breakdown voltage value, equipment can be cleaned without stopping the equipment and affecting the normal operation of the equipment. The product is highly flame-retardant: to avoid safety accidents caused by electric sparks.
4. Controllable volatilization avoiding temperature quickly drop when cleaning equipment. Leaving no residue after volatilization.
5. This product is a high insulation liquid nano material with strong penetration and good decontamination effect.
6. Completely harmless to human body which a certificate is issued by Nanjing Medical University.
7. Neutral PH value (indicates that it is not corrosive to the product) and a Certificate of non-corrosion issued by Weifang Saibao Laboratory (The Fifth Research Institute of the Ministry of Industry and Information Technology).

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## Product parameters

| Item Name                                 | Index  |
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| Appearance                                | Colorless transparent liquid                                   |
| Odor                                      | Odorless   |
| Toxicology                                | Non toxic  |
| Flash point, °C (Closed)                  | No flash point   |
| Specific gravity                          | 0.785 ± 0.05g/cm <sup>3</sup>                                  |
| PH value                                  | 7.1  |
| ROHS compliant                            | Yes  |
| Moisture%                                 | < 0.0026%  |
| Residue                                   | 0 (baked at 105 °C, wt%)                                       |
| Corrosivity (24 hours immersion)          | No corrosion to steel, copper, aluminum, zinc and other metals |
| Swelling of material (24 hours immersion) | No swelling of plastics and rubber                             |
| Insulation resistance                     | >6.0*10 <sup>12</sup>  |
| Withstand voltage (kV / 2.5mm)            | >35  |
| Flammability                              | Non-flammable  |



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## Applications:

**OLC-10-B** can be widely used for on-line cleaning and maintenance of high and low voltage distribution equipment, generator sets, transformers, switch blades, PT, CT, circuit breakers, lightning arresters, post insulators, transmission line insulators and other power equipment which **working voltage  $\leq 10\text{kV}$** .



## Experts suggest:

1. Store in a dry room below **40 °C**.
2. Do not touch or swallow. If splashed into eyes, wash immediately with water. If there is any reaction, please see doctor immediately.
3. When the **relative humidity** of working environment  $\geq 80\%$ , live cleaning service is **forbidden**.
4. The cleaning detergent should be operated with **professional tools** under the guidance of **professional personnel**.
5. Must use up **within 3 months** after open, **must test insulation value** of the cleaning detergent every time before live cleaning operation.
6. Packing specification: 20L / barrel. Shelf life: **24 Months**.

# Company Profile

**Fujian Tengdajie Environmental Protection Engineering Co., Ltd.** is a mainstream service-oriented production enterprise, set research and development, production, sales, service as one of the comprehensive service system, committed to the research and development of new material technology and application.

Through years of industry experience, our company has repeatedly communicated with managers and technical departments of customers to understand customers' challenges and demand . Adhering to the principle of considering customers' difficulties and urgent customers' needs, we have jointly developed diversified products with equipment safety as the core and electric cleaning and maintenance as the center, together with many experts and professors from several R&D institutions. At present, our company has launched a series of products on the market, such as "no flash point power electric live cleaning detergent, visual hard film insulation protection agent, small space intelligent network extinguishing terminal, water-based fire extinguishing agent (household and industrial) etc., as well as the research and development and production of power electric equipment live cleaning and maintenance, live cleaning and maintenance technology innovation, high and low voltage frequency conversion and PLC maintenance, new energy DC power supply maintenance and other high-tech innovation, provide security for the power electric equipment in all kinds of working conditions and all kinds of industries



Address: # 601, West Area, Building 1, No.18 Panshi Road, Xindian Town, Jin'an District, Fuzhou City, Fujian Province, China

Tel: +86 591-87918006

Email: [oversea@tengdajie.com](mailto:oversea@tengdajie.com)

Website: [www.tengdajie.com](http://www.tengdajie.com)



Fujian Tengdajie Environmental Protection Engineering Co., Ltd.