TDJ Products Introduction

TENG DA JIE

Fujian Tengdajie Environmental Protection Engineering Co., Ltd

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CONTENTS

TDJ PRODUCTS

PART 1

TENG DA JIE Brand

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Create the first brand with professionalism and persistence, and create a new maintenance method belonging to this era; "Think what users think, be anxious about what users are anxious about, and need what users need" is our business philosophy. Effectively solve problems for users and promote business development with services. At the same time, we will continue to innovate and improve in terms of service content, service methods, service quality and service products, so that the equipment can be operated in a safer and more efficient state.

TDJ, Created for equipment safety and efficiency

1.2 Products

Independently developed products include:

Power electric equipment cleaning detergent

Network communication equipment cleaning detergent

Live maintenance protective agent

Antirust lubricant.

Product category: canned self-maintenance products and industrial cleaning products (Drum packaged).

Applicable fields:

Canned products: small quantity, small volume, light contamination, and users can maintain equipment by themselves.

Drum packaged products: big quantity, large volume, heavy contamination, regular equipment maintenance (Drum packaged products are not sold in open market)

1.3 Common characteristics of detergent products

1. Live operation
2. High insulation
3. Non-Toxic & Harmless
4. Colourless
5. Neutral PH value
6. Non-corrosive
7. Controllable volatility

TDJ products are all composed of nano molecular materials, and have test reports issued by multiple authoritative institutions.

1.4 Products test report

China Electronic Product Reliability and Environmental Testing Research Institute

Protective agent and cleaning detergent have high insulation, PH neutral corrosion free test report issued by CEPREI Laboratory
Anti rust lubricant has IPX3 waterproof grade test report

Applied Toxicology Institute Nanjing Medical University

The cleaning detergent, protective agent and antirust lubricant have the non-toxic and harmless test report issued by Nanjing Medical University

Power Industry Electric Equipment Quality Inspection and Testing Center China Electric Power Research Institute

Power and electrical cleaning agents (OLC series products) have the power frequency withstand voltage test report issued by Wuhan High tech Co., Ltd., and the maximum voltage level can reach 500kV

中国太平洋保险
China Pacific Insurance
CPIC

All products (detergents, protective agent, antirust lubricant) have product liability insurance underwritten by Pacific Insurance

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PART 2

Canned Products

Usage:

Shake up the product liquid before use, and ensure that the nozzle is unblocked. Tilt the tank vertically or 45 °, aim at the object surface about 5~15cm, gently press the nozzle, and evenly spray on the object surface.

Precautions:

This product is a pressure vessel. Please do not get close to the fire source. Do not knock, smash, drop or stab the tank. It should be stored in a cool and ventilated place. It should be placed in an environment below 40 ℃;

On rainy days, when the air humidity is greater than 80%, it is not suitable to carry out live cleaning operations. Do not wipe after spraying;

The volatilization speed of this product is fast. Do not spray the cleaned objects continuously. The parts of mechanical equipment that need lubrication should be reapplied with lubricant after cleaning;

Due to the limit of human safety distance, high-voltage cabinets above 400V are only applicable to power off cleaning;

Please rinse the mouth and nose with water by mistake;

All canned products use CO_2 (carbon dioxide) as propellant, which is more environmentally friendly and safe.

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Canned Live Cleaning Detergent
Model：OLC-10　　EC-004

Product features

It is developed for customers' self maintenance.
Applicable to customers' regular self maintenance; It is easy to carry, easy to operate, and has a wide customer base, including power system, power generation system, steel and cement, petrochemical and other industries;
With strong decontamination power, pollutants are taken away through the infiltration, decomposition and encapsulation of nano molecules; The volatilization is fast and there is no residue. After cleaning, it can volatilize quickly without crystallization, which will not affect the normal operation of the equipment;
Quickly and thoroughly remove dust, oil stain, carbon stain, salt, moisture, metal dust and other pollutants attached to the equipment;
Effectively eliminate soft faults and avoid short circuit ignition, poor heat dissipation and other phenomena of equipment

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Canned Live Protective Agent

Model：CP-001

Product features

After cleaning, spray the protective agent on the surface of the equipment. The protective agent will form a nano molecule protective film on the surface of the equipment to isolate the corrosion of water, salt mist, dust, oil and other pollutants in the environment on the equipment.
Its validity period is 8~12 months (27 ℃ indoors).

先驱者-创
带电维保
保护剂
CP-001
环保型 简绝缘 无毒 带电 抗盐雾
360

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Canned Antirust Lubricant

Model：RPL-01

Product features

With strong penetration capacity, the use of antirust lubricant to spray on the equipment will form a layer of macromolecular oily protective film on the surface of the equipment, playing the functions of loose rust, antirust, lubrication, dehumidification, cleaning, etc. on the equipment.

The product can be used for neutral PH value, which is non corrosive to metals, plastics, etc., and has the function of anti rust protection to metals.

Canned Live Cleaning Detergent
Model：OLC-10   EC-004

Network Communication Equipment EC-004
Applicable to switching equipment, transmission equipment and base station equipment below 400V
Program controlled exchange; Server, switch, router, firewall, disk array, minicomputer, PC and other equipment.

Power electric equipment OLC-10
High and low voltage distribution cabinets such as outgoing line cabinet, bus contact cabinet, voltage transformer, isolation cabinet, capacitor cabinet, metering cabinet, etc; PLC, DCS, FCS and other control cabinets and products, live operation is only allowed below 400V.

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2.6 Canned Products Applications

Canned Live Protective Agent
Model：CP-001

Electric power & network communication equipment CP-001

Applicable to post cleaning protection of electric equipment and network communication equipment below 400V.

Canned Antirust Lubricant
Model：RPL-01

Electric power & network communication equipment RPL-001

Applicable to loose rust, rust prevention and lubrication of various pneumatic tools, electric tools, hardware, gear bearings, lock hinges, screws，nuts and various metal parts.

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Usage:

Please check whether the product materials are valid, expired or deteriorated before use.

Precautions:

Sealed and stored in a cool, dry and ventilated place

It is strictly prohibited to expose to the sun. The room temperature in store area shall not exceed 30 ℃ and the relative humidity shall not exceed 80%

Rinse the accidentally entered eye with water immediately

Prevent water and pollutants from entering the container

Use up within three months after opening

3.2 Drum Packaged Products

Live cleaning detergent for power electric equipment

Model：OLC-10 OLC-35 OLC-110 OLC-220 OLC-330 OLC-500

Product features:

It can quickly and thoroughly remove dust, oil stain, carbon stain, salt, moisture, metal dust and various charged particles on the surface and deep layer of the equipment. Eliminate short circuit, heating and discharge, avoid flashover accidents, prolong equipment service life and reduce equipment loss; There are several models of OLC series products, and the applicable product models should be selected according to the different voltage levels of equipment.

Applications:

Industrial drum packaged cleaning detergent OLC-10 to OC-500 is applicable to high-voltage and low-voltage distribution equipment, generator sets, transformers, knife switches, PT, CT, circuit breakers, lightning arresters, post insulators, transmission line insulators and other electrical equipment below 500KV according to different product models

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Live cleaning detergent for network and communication equipment

Model: EC-04

Product features:

It can quickly and thoroughly remove dust, oil stain, carbon stain, salt, moisture, metal dust and various charged particles on the surface and deep layer of the equipment. Effectively eliminate soft faults and avoid short circuit, poor heat dissipation and other phenomena of equipment. It can effectively eliminate the accumulated static electricity of network communication equipment and prevent components from being damaged by static electricity.

Applications:

Industrial drum packaged cleaning detergent EC-04 is applicable to large equipment or large quantities of equipment below 400V. Network communication equipment with serious pollution, including switching equipment and transmission equipment, base station equipment, SPC exchange, server, switch, router, firewall, disk array, minicomputer, PC and other equipment.

Soft film protective agent
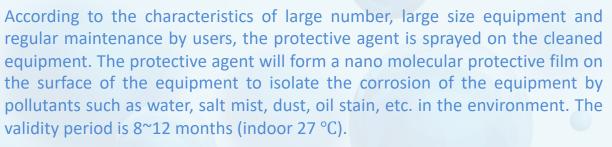## Model: CP-01

Product features:

According to the characteristics of large number, large size equipment and regular maintenance by users, the protective agent is sprayed on the cleaned equipment. The protective agent will form a nano molecular protective film on the surface of the equipment to isolate the corrosion of the equipment by pollutants such as water, salt mist, dust, oil stain, etc. in the environment. The validity period is 8~12 months (indoor 27 ℃).

Applications:

The industrial drum packaged protective agent CP-01 can be used to extend the cleaning cycle of user equipment and protect equipment after cleaning up to 35KV power electrical equipment and network communication equipment.

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Weather resistant visualizing transparent anti- pollution anti-flashover hard protective agent

Model: CP-98

Product features:

This series of products are used to improve and optimize the performance of existing domestic anti pollution flashover coatings, insulation and anti-corrosion coatings. The product has independent research and development and has domestic invention patents, neglecting inert nano new material products, and the product has reached non-toxic, harmless and environment-friendly materials. After being coated and solidified at room temperature, the product can significantly improve the hydrophobicity and insulation grade of the coated surface while the surface of the equipment/medium is smooth and not easy to stick ash.

Applications:

The industrial barreled protective agent CP-98 can be used for power and electrical equipment above 35KV to extend the cleaning cycle of user equipment and protect equipment.

PART 4

Intelligent Extinguishing
Material Integration

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Intelligent extinguishing material integration is a simple and highly reliable independent automatic fire extinguishing device, and fire extinguishing materials used in it are the initial fire protection products elaborately processed by specially developed new fire extinguishing materials and environment-friendly industrial temperature sensing materials.

Without external power supply, additional smoke sensors, temperature detectors, and complex equipment and pipeline layout, simply paste them inside the equipment to accurately and effectively detect and extinguish the fire source and extinguish the fire at the initial stage. The project cost and single fire extinguishing cost will be greatly reduced, and no harm will be caused to personnel.

When the ambient temperature reaches the thermal decomposition temperature of the temperature-sensitive material inside the product, the material decomposes to produce a large amount of nitrogen (N_2), carbon dioxide (CO_2), and nano-scale fire extinguishing particles and other fire extinguishing substances.

Nitrogen (N_2) and carbon dioxide (CO_2) can reduce the oxygen concentration in the combustion, and the fire extinguishing particles will undergo thermal melting, gasification and other physical processes to absorb the heat in the flame and reduce the flame temperature. The combustion surface is used to gasify combustible molecules, and repeatedly consume a large number of active groups to break the combustible combustion chain, prevent combustibles from coming into contact with the fire source, so as to achieve the effect of extinguishing the fire.

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Intelligent extinguishing material integration

Something in Common

Aerosol Extinguishing Device

Extinguishing type: gas extinguishing
Extinguishing method: physical + chemical
National inspection report: Yes

Fire extinguishing gas toxicity: None

(MSDS report is available for intelligent extinguishing materials integration)

Intelligent extinguishing material integration

Differences

Aerosol Extinguishing Device

Starting point of product development: small space fire fighting

Starting point of product development: gas fire extinguishing in large space

Housing: insulated nylon glass fiber

Housing: metal

Nozzle temperature: 70 ℃ - 100 ℃

Nozzle temperature: 200 ℃ - 300 ℃

Shape: arbitrary shape, can be customized according to actual usage scenarios.. Minimum thickness can reach 5mm.

Shape: cylindrical shape is commonly seen, and the appearance is basically uniform due to pressing.

Starting mode: sensing ambient temperature reaches 170 ℃ or open flame starting. Remote start can be added.

Starting mode: temperature sensing 170 ℃ or electric starting fire extinguishing gas

Corrosivity of fire extinguishing gas: None

Corrosivity of fire extinguishing gas : slightly corrosive

Installation method: paste or inlay the inside of the equipment without damaging the cabinet

Installation method: installation with screws or damaged cabinet

Applications

As a new type of fire extinguishing material, it solves the problem of fire prevention in small spaces that are prone to fires in the fire protection industry due to electrical equipment, control equipment boxes, and new energy batteries. It can be widely used in power grids, communications, radio and television, petrochemicals, railways, and new energy vehicle and other systems.

At the same time, remote start and remote transmission chips can be added according to user needs, and the product shape can be changed according to actual usage scenarios.