

yarnexpo

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Hall 8.2

National Convention
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NOVELTY TECHNOLOGY WIDE SPECTRUM OF APPLICATIONS

As an expert and new leader in anti-microbial material industry, Micro Science Tech Co Ltd have manufactured products with anti-microbial functions which can be applied various plastic goods in area of sanitary items food packing & utensils, medical & home appliances, car interior materials, special military supplies, infant's needs, and so on....

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Anti-microbial first mover company

Micro Science Tech Co., Ltd.

MICRO SCIENCE TECH CO LTD AT YARN EXPO AUTUMN 2019

Being Asia's comprehensive yarn & fibre business platform, Yarn Expo Autumn 2019 welcomes Korean specialty yarn manufacturer **Micro**

Science Tech Co Ltd

to display their **Natrul Active** Ingrident anti-microbial **Master Batch** (BioCleanAct™).

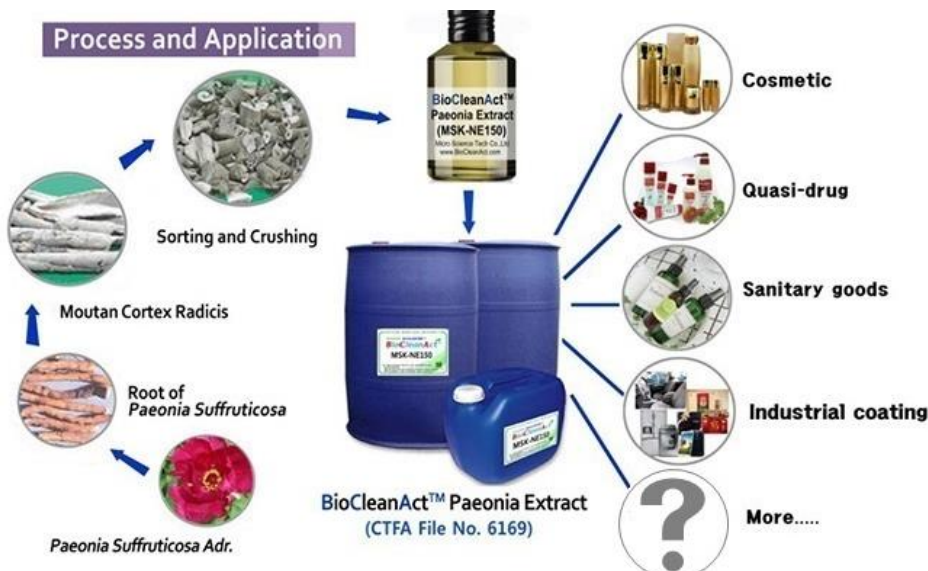


NATURAL EXTRACTS REPLACING NON-TOXIC ANTIMICROBIAL NEW MATERIALS IN CHINA MARKET

Natural product extract antibacterial is Eco-Kind and Human-Kind, and agents that are harmless to human beings is entering the Chinese market...

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Process and Application



NATURAL PRODUCT EXTRACT ANTIBACTERIAL WITH SPECIAL AND ECONOMICAL PROCESS

Micro Science Tech Co Ltd (MST), a leading technology company founded in 1999, and focuses on new concepts of antimicrobial materials. At Yarn Expo Autumn 2019, **MST** will showcase their **Natrul Active Ingrident anti-microbial Master Batch (BioCleanAct™)**, which is an excellent **anti-microbial** and **harmless polymer** developed **from the natural plant extract**.

Anti-microbial material of MST supplied as a **pellet-type** for **easy-application** to various forms such as PE, PVC, SAN, PP, ABS, PET, Nylon, PC, TPE, PS, PU, TPU, Polyester chip, etc. Endocrine disrupter's are not detected and **superior anti-**



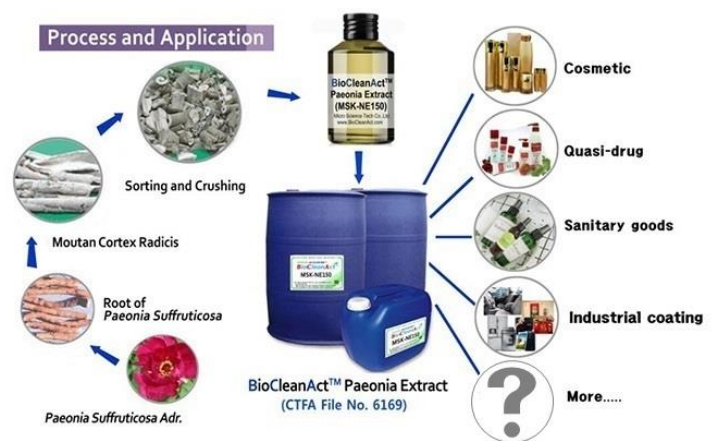
microbial performance against various **pathogenic germs** and human body safety were recognized by domestic and foreign official test institutions. It can be utilized for various plastic goods in area of **sanitary items, food packing & utensils, medical & home appliances, car interior materials, special military supplies, infant's needs**, and so on.

Natural product extract antibacterial is **Eco-Kind** and **Human-Kind** as a completely **non-toxic** antibacterial material. Antibacterial master batch is a new material of natural extract. It has **excellent antimicrobial activity from the inside of the fiber** through the process of producing antimicrobial fiber by **melt-mixing with the fibrous material**, thereby **maintaining the performance irrespective of the washing number**. The antibacterial fabric manufactured by this process effectively **reduces cross-** thus it can be a breakthrough product.

NATURAL EXTRACTS REPLACING NON-TOXIC ANTIMICROBIAL NEW MATERIALS IN CHINA MARKET

Conventional yarn and nonwovens manufacturing markets have focused on simple technology, but as **market competitiveness** has deepened, they have evolved into **high added value** with **high functionality**.

Among the functional areas, we are withdrawing from the antimicrobial functional yarn and medical non-woven fabric, the technology of manufacturing linen fabrics for hospital products, and the antimicrobial agent market. We replace non-toxic antimicrobial new materials with **natural extracts**. And we chose to exhibit our products at **Yarn Expo** as It is an exhibition to secure **export competitiveness** of SMEs like us.



Currently, the **Chinese market is an antimicrobial fiber market using chemical materials** such as inorganic, organic, and nano-toxic materials. And products applying **natural extractive antibacterial agents** that are **harmless to human beings** is entering the market.

Our target customers are yarn manufacturers who manufacture medical grade anti-bacterial growth yarns, antimicrobial functional staple fibers, and use them as natural antimicrobial functional sutures by yarn spinning and weaving, natural anti-bacterial functional disposable patient gowns, Antimicrobial functional hospital sheets, textile, clothing and medical companies that manufacture luxury hotel linen sheets.

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