



Xanthomite

Natural "mite" repellent for sundries

It is a mite repellent ingredient whose main component is xanthoxylin, which is a component derived from the peel of Sichuan pepper.

It has low transpiration, is highly durable and thermally stable, and has a strong repellent effect.



Xanthomite



Rilis Co., Ltd.

www.rilis.co.jp

Natural "mite" repellent
for sundries

キサントマイト
Xanthomite



Zanthoxylum bungeanum

Origin

Xanthomite is a raw material for mite repellent, containing xanthoxylin derived from pericarp of *Zanthoxylum bungeanum*, a kind of pepper, as the active ingredient (content $\geq 95\%$)

Features

It is low in volatility, long-lasting, and highly stable, exerting a potent repellent effect. The repellent effect would be maintained even after heat treatment (200° C for 120 minutes).

Intended use

Please use Xanthomite as a mite repellent for sundries.
*Application examples: Fabrics, film, sheet, wax for wooden flooring, spray, etc.

Related patent

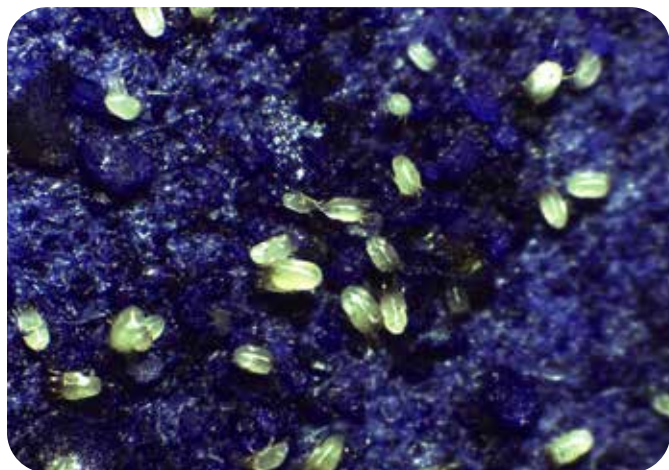
Patent No. 6715429

Description

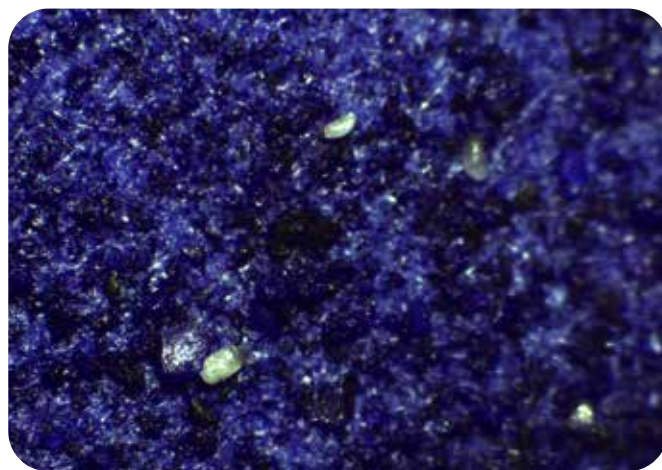
- | | |
|--|--|
| 1 Appearance ... White to light yellow crystalline powder. | 3 Solubility ... Insoluble in water, and soluble in organic solvents such as ethanol |
| 2 Odor ... Slight characteristic odor | 4 Vapor pressure ... 3.75×10^{-5} mmHg (room temperature without control) |

Repellent performance

Repellence rate in anti-mite test (entry inhibition method) ... **91.4%** (0.1 g/m²)



Untreated filter paper, at 24 hours



Filter paper treated at 0.1 g/m², at 24 hours

*The repellence test was performed using house dust mite (*Dermatophagoides farinae*) in accordance with JIS L 1920 Testing methods for efficacy against house dust mite of textiles.

Other repellent performance

Repellence rate in ant repellence test ... **99.9%** (0.1/m²)

- *Testing facility: Viable Co., Ltd.
- *The repellent effect on 30 test ants was confirmed.
- *The ant repellence test was performed using *Ochetellus glaber*.



Rilis Co., Ltd.

5-13-7, Niitaka, Yodogawa-ku, Osaka 532-0033, JAPAN
TEL : +81-6-6395-0555 / FAX : +81-6-6395-0566 e-mail : info@rilis.co.jp URL : www.rilis.co.jp/en/