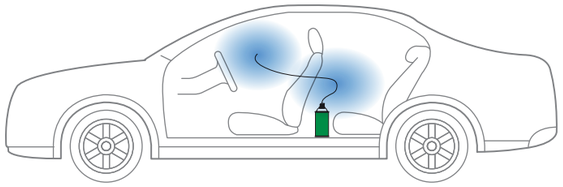
## Air Refresh Series Surface Area and Effectiveness Comparison

| Comparison Points | | Etak®JET | Air Refresh Pro/ Aircon Clean |
|---|---|---|---|
| 部位 | エバポレーター | × | ○ |
| | 車室内 | ○ | × |
| 効果 | 洗浄 | × | ○ |
| | 抗菌 | ◎ | ○ |
| | 消臭 | ○ | ○ |

＊The effect may limited area only.
＊May change due to environment where the environment is sprayed.



Etak®JET Front seat Spray, Put under back seat

Our product for Air Con Evaporator cleaning and disinfecting for comfort Drive Environment as additional Menu is recommended.

## Seasonal recommendations

(Sold with air conditioner filters!)

| Season | Sales Point | Measures |
|---|---|---|
| Spring | Pollen control | • Tree pollen such as cedar |
| Summer | Mold and bacteria barrier | • MRSA<br>• Salmonella<br>• O-157 |
| Autumn | Pollen control | • Grass pollen such as ragweed |
| Winter | Virus protection | • Influenza<br>• Norovirus etc. |

＊It is not always effective against all viruses , bacteria and odor.

### Work tools

●Nozzle

●Tags and seals

●Bottle stand

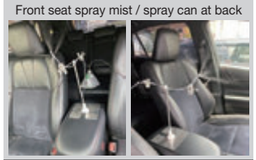
## Etak®JET Setting Instruction (Revision June 2021)

① Check points Before Setting Product
- ● Do Product setting works inside the workshop.
- ● Check if whole car windows is closed.
- ● Confirm the Engine (Ignition) is OFF
- ● Confirm if the whole electronics equipment inside car are stopped.

② Set the nozzle included in the package and fix T shape stand per photo references to avoid Etak®JET spray mist.
To avoid any liquid drops, fix
Set upright facing.
(vertical - 45 degree )
Connect the nozzle with Etak®JET Can (Yellow part)

＊If the car interior space difficult to have the space to put, before set it on car seat, put the product onto Paper stand, or prepare Tray, Cloth at the bottom of can.

Front seat spray mist / spray can at back



[ Setting Process：15～20 Minutes ]

Back seat spray mist / spray can at front

③ Strong press the release button and it will start spray.
Go out from the car and closed

＊The spray mist cover the whole car interior with Etak®JET Components.
＊While setting the products, do not leave the car not attended.

④ After 10 minutes, open all doors open for 5-10 minutes

＊At this moment release doors, IGNITION must in OFF Position and do flowing the fresh air from outside.

⑤ Collect Nozzle stand tool *removed the mist nozzle,*and Etak®JET Can

＊When collect the nozzle and spray can, to prevent liquid leak, use the wipe cloth on the bottom.

⑥ Finishing. (To cut Yellow color Mist Nozzle as per instruction. )
Can be reuse for another 4-5 times.


OBERON CO., LTD.
https://oberonjp.co.jp/

It is necessary to have work training before selling this product. Please be sure to apply for work training before handling.

OBERON CO.,LTD.

# Cabin Amenity and Care

Create an interior environment for drivers and passengers

Air Refresh Etak® JET
Antimicrobial deodorant spray

## Optimize a comfortable car interior

### Points of Customer Concern

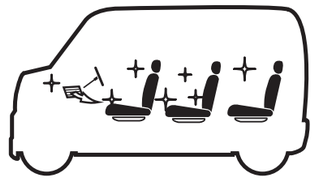
**■Hygiene measures**
- Bacteria carried in
- Viruses carried in
- Mold growth

**■Against odors/smell**
- Air conditioner odor
- Tobacco odor
- Exhaust odor
- New car smell
- Perspiration smell
- Food smell
- Pet smell

**■Against floating dust**
- Invasion of PM 2.5 to 1.0
- Invasion of pollen

＊ Does not indicate the effect of this product.

**Reduces bacteria, viruses and odors in vehicle interior spaces Etak® JET**




**Recommended Maintenance Menu**

- ⚠ Respond to customer's growing awareness of a hygienic environment
- ⚠ Improve satisfaction in maintenance work
- ⚠ Promote repeated work with seasonal effects
- ⚠ Best offering for plus one service
- ⚠ Ensure profitability with excellent work efficiency

# Cabin Amenity and Care

Create an interior environment for drivers and passengers

Air Refresh
Etak® JET
Antimicrobial deodorant spray

## Car Interior Environmental Menu on the Market

In other industries, many deodorant/antimicrobial products are marketed for indoors and vehicle interiors, and customer awareness has increased.

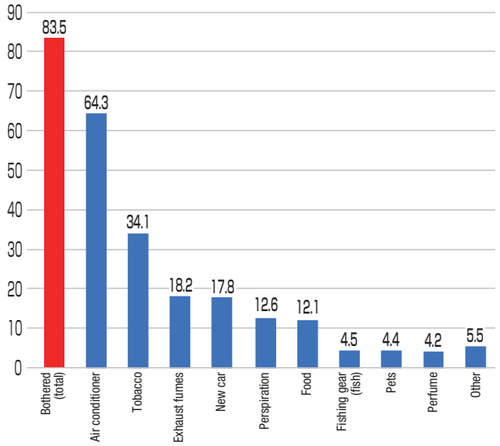
**For example,**

In apartments?
In public facilities?
Transportation (bullet trains)?

**In cars?**

## Customer Needs

About 80% of customers are bothered by a smell in the car.




＊Our survey numbered about 12,000 questionnaires, which included multiple answers.

## About Etak®

Etak® is a long-acting antimicrobial component patented in 2007, which originated in research to fix a safe antimicrobial component that can be used orally (Professor Nikawa, Graduate School of Biomedical and Health Sciences, Hiroshima University). In addition to various viruses and bacteria, it is also effective in controlling pollen when used in combination with a genuine air conditioning filter.

＊The effect is limited to the parts which have been sprayed. ＊It is not effective against all viruses and bacteria. ＊This product is not a pharmaceutical or quasi-drug.

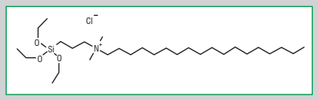
### Long-acting antimicrobial component Etak®

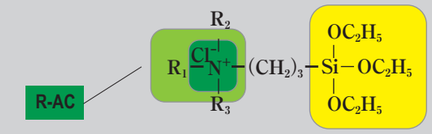
Patent: No. 3834655 Antimicrobial material and its manufacturing method
Patent: No. 4830075 Antimicrobial agent with silicon-containing compound, antimicrobial method, cleaning/mouthwashing method and antimicrobial agent fixing method
Patent: No. 4848484 Antimicrobial aqueous solution and its storage method
Patent: No. 4972743 Detergent composition and cleaning method

### 【Safety Information】

- The compound combines an “adhesive component” and a “disinfectant component” used in the treatment and cleaning of the oral cavity.
- Registered as a cosmetic ingredient in INCI, and all component label names obtained.
- A wide range of safety data is obtained from third parties.

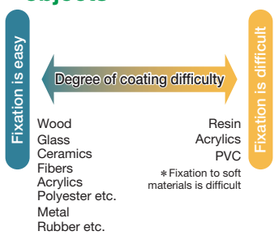
### The form of Etak®






## Main Features of Etak®JET

### ◎A wide range of usable objects




### ◎Sustained preventive effect is large

When the disinfectant component is fixed by the adhesive component to the surface of a material, the later airborne or falling bacteria and viruses can be inactivated (antimicrobial) by direct contact.

### ◎Immediate eradication + Sustained antimicrobial effect + Deodorant effect

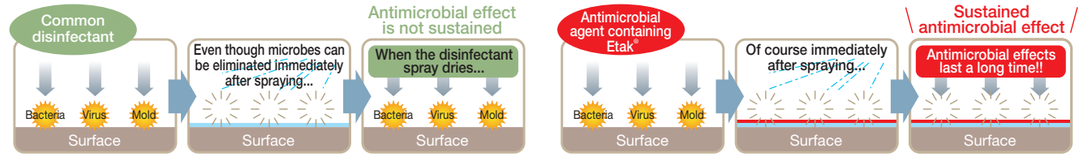
Etak®JET has antimicrobial, antiviral barrier, antifungal and deodorant effects in the car interior space.

**Antimicrobial evaluation:**
Staphylococcus aureus, MRSA, Bacillus cereus, Escherichia coli, Candida, Influenza A virus (human, avian, swine (new type)), norovirus (feline calicivirus), adenovirus, measles virus, herpes virus

**Deodorant evaluation:**
Ammonia, triethylamine, hydrogen sulfide, acetic acid, isovaleric acid, formaldehyde, nonenal

＊The effect is limited to the parts which have been sprayed. ＊It is not always effective against all viruses and bacteria. ＊Sustained effects may vary depending on the usage environment.
＊This product is not a pharmaceutical or quasi-drug.

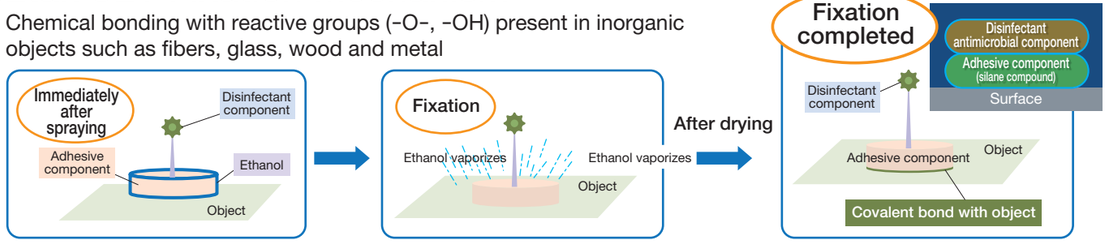
## Difference from Common Disinfectants




＊Sustained effects may vary depending on the usage environment.

## Etak®JET Fixation Mechanism

Chemical bonding with reactive groups (-O-, -OH) present in inorganic objects such as fibers, glass, wood and metal




## Effect of Etak®JET

### ● 40 Times Washing Test, Etak® Test Cloth Disinfectant Value (Etak®JET Thickness 1.0%)

| Washing Frequent | 0 Times | | 10 Times | | 40 Times | |
|---|---|---|---|---|---|---|
| Etak®Thickness | 0.03% | 0.3% | 0.03% | 0.3% | 0.03% | 0.3% |
| Disinfectant A | 2.2 | 7.0< | 2.61 | 7.0< | 2.6 | 7.0< |
| Disinfectant B | 2.34 | 7.0< | 3.05 | 7.0< | 3.32 | 7.0< |
| Disinfectant C | 2.55 | 7.0< | 4.32 | 7.0< | 4.32 | 7.0< |

### ● Etak®JET Continuous Effect Test Data Value ＊1 Internal Test in Durable and Stable Evaluation Environment in 1 Year Est.

| | | Before Test Start (Bacillus Qty: Qty/cm2) | | | | Test Result (24Hours After Cultivation)＊3 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Test Evaluation Bacillus Type | | Bacillus A | Bacillus B | Bacillus C | Bacillus D | Bacillus A | Bacillus B | Bacillus C | Bacillus D |
| TEST MATERIALS • ALUMINUM • PAINTED BOARD • PLASTIC BOARD • CARPET | Blank ＊2 | 4.36 | 4.31 | 4.06 | 4.06 | 4.71 | 5.74 | 4.45 | 5.38 |
| | Processed with Etak®JET ＊1 | — | — | — | — | <−0.20 | <−0.20 | <−0.20 | <−0.20 |
| | Anti Bacterial Value | | | | | >4.9 | >5.9 | >4.6 | >5.5 |

＊2 No Process Test ＊3 Test Laboratory Osaka third party

## Disinfectant Components Typical Physical Data in the market ＊Comparison list of raw material Category and general evaluation rank.

| | Etak®JET ＊1 | Photo Catalyst Product | Sodium hypochlorite | Chlorine dioxide |
|---|---|---|---|---|
| Main Components | Disinfectant + Sustaining Components + Ethanol | Tungsten trioxide - Tungsten trioxide | — | — |
| Effectiveness Time ＊2 ＊3 (Immediate effect) | ★★★★★ (High Composition Alcohol) | ★★★ (Infra red based oxidation reaction timing) | ★★★★★ | ★★★★★ |
| Continuity ＊2 ＊3 (Sustainability) | ★★★★★ (Fixation Component) | ★★★/★ (Fixation material uniformity gap) | Not Available | Not Available |
| Works (Setting Skill require) | ★★★★★ (Automatic Aerosol Release) | ★★★/★ (AEROSOL Spray/Special spray tools) | ★★★ (Hand Spray) | ★★★ (Specialized Equipment/Tools) |
| Setting Method (Inside works) | ★★★★★ (Automatic Aerosol Release) | ★★★/★ ((AEROSOL Spray/Outsource) | ★★★ | ★★★ |
| Safety ＊5 (Human healthy) | ★★★★★ (Approved components for Cosmetics) + Alcohol | ★★★★★ | ★★★ (Thickness management is required) | ★★ (Vaporization safety) |
| Smells ＊5 (Human inhale sense) | ★★★★★ (No smell due Alcohol Vaporization) | ★★★★★ (Not Available) | ★ (pungent smell) | ★ (pungent smell) |
| Effect to Components (Changing during Setting) | ★★★★★ (Alcohol same thickness) | ★★★★★ (Clarity of components changing) | ★★ (Bleach effect) | ★★ (Metal oxidation corrosion) |

＊1 This product is not pharmaceutical product. No guarantee will work to the all type of viruses, bacterial and bad smell. ＊2 From setting to effect time. ＊3 The sprayed surface that received the effect.
＊4 The sustained effects are varied and depend to the environment. ＊5 The product is not sickness prevention or infection risk limiter. No direct effect to the space surrounding.