

**[Product specifications]**

**Packaging**



Bottle containing 1kg,  
Cube container containing 20kg



Polyethylene drum containing 200kg (recycled)  
(deodorant is packed in polyester bags.)

**How to Use**

It is sold in an undiluted form, so it must be diluted with water before use. Please dilute 200-300 fold before using. (Example: When diluting 200 fold, dilute MG 5cc into 1L of water.)  
 ※Tap water is preferable (soft water when possible), but it can also be diluted in industrial water with few foreign substances.

**Storage  
Storage Period**

Store in a cool dark place.  
 Undiluted solution: 1 year after opening; Diluted solution: From the same day to about 2 weeks (it varies greatly depending on the usage environment.)  
 ※As it is made to be highly biodegradable, it decays easily after dilution. These foreign substances can cause clogs in the nozzle and pipes, so please use promptly after dilution.

**Ingredients**

Acrylic resin type high molecular compounds, alcohols, antimicrobial components, etc. \*It varies by line-up.

**Caution when using**

- Please avoid directly spraying on people, animals, and plants. Please do not drink.
  - The ingredients contained and chemical properties vary by line-up. Please read the label on the product or the user manual before use.
- \*If you have any questions, please inquire with our company's business or retail agents.

[Manufactured/Sold by]  
 From analysis to measures of air environment  
**KALMOR**<sup>®</sup>  
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Contact for inquiries

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 Microgel is a registered trademark of K Inc.

※The specifications and prices of the products listed in these materials may be changed without notice for improvements.

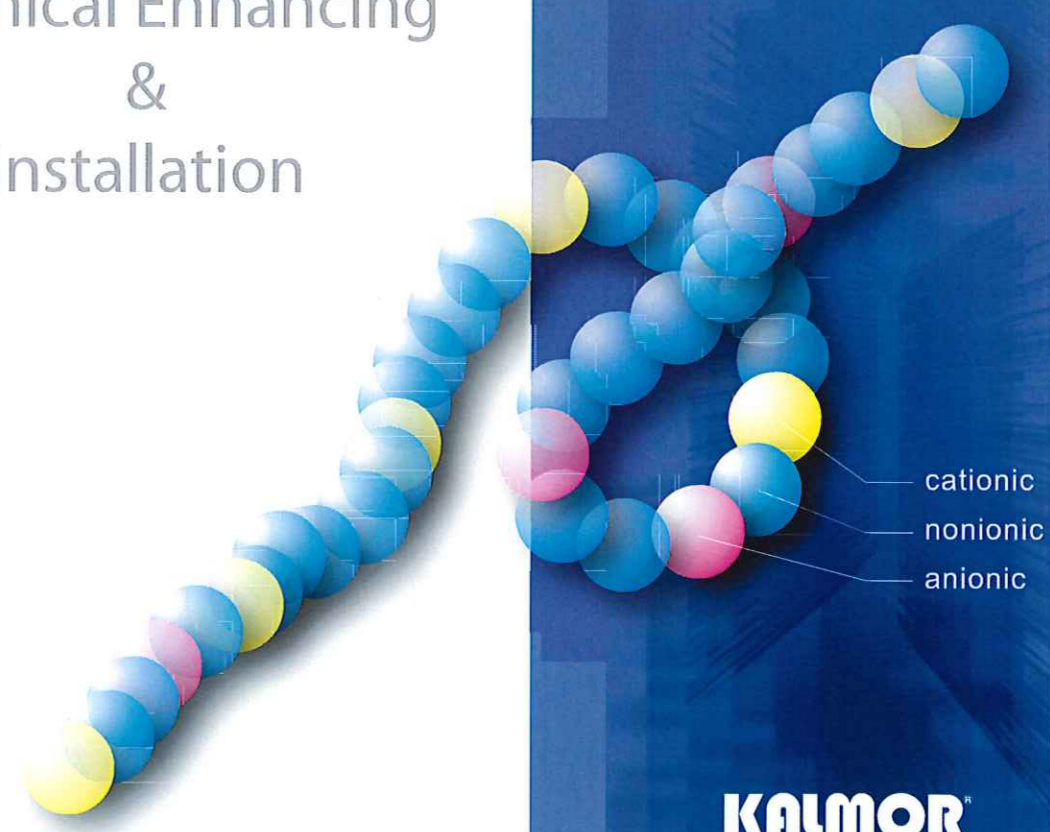
※Our products listed in these materials include products for which industrial property rights have been acquired or applied for and which are current on pre-sale.

※In recent years similar products are sometimes subject to strict application of legal measures under the Unfair Competition Prevention Law due to infringement of industrial property rights.

※Please be cautious of similar products intending to create misrecognition or an unsubstantial relationship by using similar products, concept copies, similar advertisements and similar labeling.

Chemical Enhancing  
&  
Installation

The next-generation concept of  
 Microgel.  
 It was created by the demands of  
 the times.  
 Fragrance free and  
 Physical adsorption type deodorant.



**KALMOR**<sup>®</sup>





**[Delivery record]**

Automobile, motorcycle, farm equipment and rubber industry

**[Paint · VOC]**

- paint drying process exhaust measures
- paint clear coating
- farm equipment paint exhaust measures

**[Casting process]**

- casting factory exhaust measures
- casting factory odor control measures

**[Rubber]**

- rubber tire manufacturing factory kneading process exhaust measures
- rubber tire manufacturing factory vulcanization process exhaust measures

Food factories, food waste liquid and perfume factory

**[Perfume]**

- spice factory sterilization process exhaust measures
- spice factory roasting process exhaust measures
- food perfume factory perfume drying process exhaust measures

**[Production line]**

- production line cleaning odor control measures

**[Waste liquid]**

- brewery waste liquid treatment process exhaust measures

**[Food instrument]**

- canning factory coolant odor exhaust measures

Construction, construction materials and construction site

- asphalt tank exhaust measures
- Asphalt material plant exhaust measures
- Cement kiln exhaust measures
- Construction site Excavation site odor control

Agriculture, pig farming, poultry raising and composting facilities

- composting facilities exhaust measures
- piggery odor control measures
- chicken farm exhaust measures
- livestock carcasses processing exhaust measures

Waste treatment plants and industrial waste treatment plant

- garbage crushing plant exhaust measures
- garbage crushing plant odor control measures
- garbage trucks washing
- Industrial waste treatment plant exhaust measures

Chemical manufacturer

- chemical laboratory draft exhaust measures
- plastic fiber manufacturing process exhaust measures

**Features of Microgel**

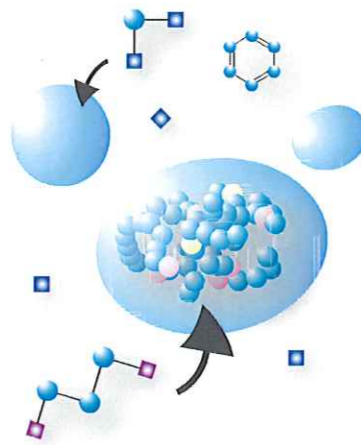
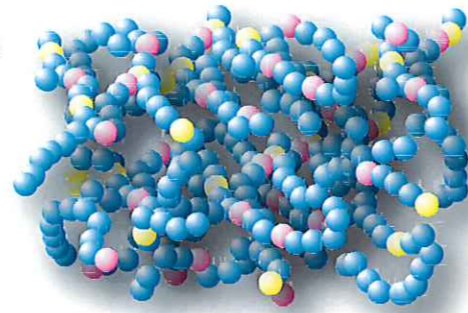
The physical and chemical deodorization technology of Microgel which you can feel thanks to it being fragrance free



Microgel is an aggregation of high molecular compounds with molecular weights of tens of millions. High molecular compounds have a straight-chain array structures respectively, and exist in an entangled state as a coiled shape.

**Microgel schematic**

- cationic
- nonionic
- anionic

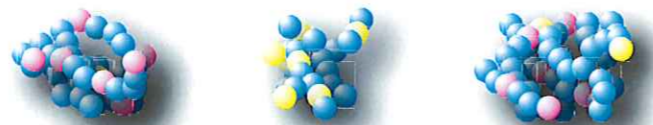


**Microgel deodorant image**

Most bad odor molecules are entangled in Microgel by intermolecular forces after dissolving in water. When that happens, the properties of Microgel and bad odor molecules cause chemical reactions, namely neutralization and oxidation. After adsorbing the bad odor molecules, the Microgel falls to the ground in a dry state. It will be biodegraded as-is by the microbes, etc. in the soil.

**We offer different line-ups for each bad odor molecules**

It is said that there are 400,000 types of bad odor molecules with a variety of chemical and physical properties. Because it is difficult to deodorize all of those components with one chemical agent, for Microgel we break the bad odor molecules into broad groups to offer different line-ups.



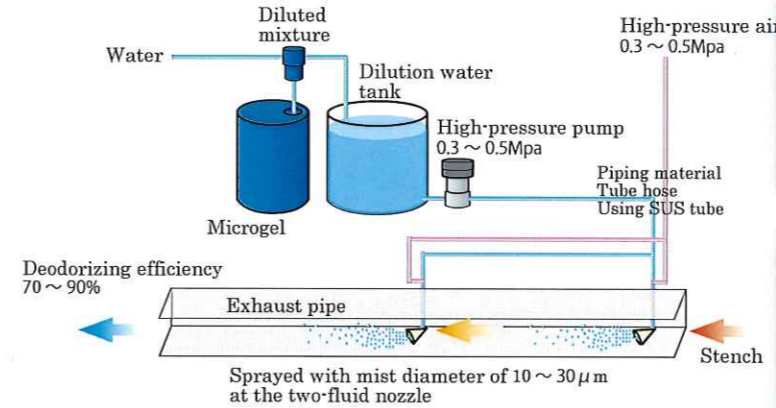
**Microgel Use Example**

**Microgel spray deodorizing device**

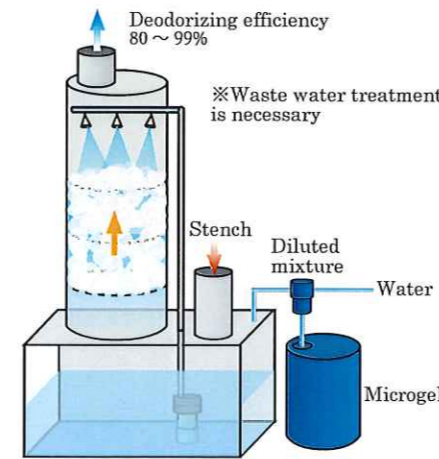
Install the spray nozzle in a location of your choice and spray the Microgel.

- ★ Supports ventilation from low to high air capacity
- ★ Easy expansion after installation
- ★ Low installation costs compared to other large-scale deodorizing devices

At our company we provide total support from consulting and spray tests to device design and installation in accordance with our customers' odor emission environment. Please inquire with our sales representative for details.



**[Overview Figure]**



Put into a circulating water of water scrubber



Example of outdoors/on-site movable spray installation.

**Safety Confirmation Tests**

The main ingredients of MG are tested for safety by the following 3rd party agencies.

Incorporated Foundation Japan Fertilizer and Feed Inspection

Public Interest Incorporated Foundation BioSafety Research Center

※Because the addition agents differ by line-up we do not conduct safety tests as a mixture, but in general it is composed of ingredients (substances whose safety has been confirmed as individual substances) which are used as commercial home use detergents and food additives. Please inquire with a sales representative for details.