



Technical Data Sheet (TDS)

Issued by:

NYS Inc.

4-3-12-508 Tsukiji, Chuo-ku, Tokyo 104-0045, Japan

TEL: +81-70-9002-4439

Email: info@nys-chemicals.jp

OEM DEODORIZER, DISINFECTANT, AND ANTIBACTERIAL AGENT

Product Lineup

- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type A : Effective against everyday odors: pH 6 - 7 50ml
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type A : Effective against everyday odors: pH 6 - 7 400ml
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type A : Effective against everyday odors: pH 6 - 7 2L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type A : Effective against everyday odors: pH 6 - 7 4L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type A : Effective against everyday odors: pH 6 - 7 18L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type A : Effective against everyday odors: pH 6 - 7 20L

- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type B : For eliminating human, pet, and organic odors: pH 8 - 9 50ml
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type B : For eliminating human, pet, and organic odors: pH 8 - 9 400ml



- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type B : For eliminating human, pet, and organic odors: pH 8 - 9 2L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type B : For eliminating human, pet, and organic odors: pH 8 - 9 4L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type B : For eliminating human, pet, and organic odors: pH 8 - 9 18L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type B : For eliminating human, pet, and organic odors: pH 8 - 9 20L

- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type C : Specialized in removing tobacco odors: pH 12 - 13 50ml
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type C : Specialized in removing tobacco odors: pH 12 - 13 400ml
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type C : Specialized in removing tobacco odors: pH 12 - 13 2L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type C : Specialized in removing tobacco odors: pH 12 - 13 4L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type C : Specialized in removing tobacco odors: pH 12 - 13 18L
- OEM Deodorizer, Disinfectant, and Antibacterial Agent Type C : Specialized in removing tobacco odors: pH 12 - 13 20L

1. Product Concept

This product is a deodorizing, disinfecting, and antibacterial agent designed to decompose odor components and harmful substances through a visible-light-responsive photocatalytic reaction. By oxidizing odor molecules and converting them into harmless carbon dioxide and water, it delivers both immediate deodorizing effects and long-lasting performance.

Formulated to function even in low-light environments such as vehicle interiors and indoor spaces, this product line is available in three types—Type A, Type B, and Type C—allowing users to select the appropriate formulation based on application environment and odor intensity.

2. Composition & Key Features



- Type: Photocatalytic deodorizer, disinfectant, and antibacterial agent
- pH: Type A (pH 6 - 7) / Type B (pH 8 - 9) / Type C (pH 12 - 13)
- Form: Liquid
- Recommended Usage Amount: Approx. 15 ml per vehicle
- Applicable Materials: Fabric products, resin panels, interior materials, curtains, sofas, shoes, sports equipment, toilets, bathrooms, and similar environments
- Finish: Colorless and transparent with minimal visual impact

Grade Configuration

- Type A: For everyday environments and light odors
- Type B: For strong human, pet, and organic odors
- Type C: Specialized for tobacco odors and tar-derived contamination

Key Features

- Decomposes odor molecules, bacteria, viruses, and mold via visible-light-responsive photocatalysis
- Reacts under indoor lighting conditions such as fluorescent lamps and LEDs
- Provides both deodorizing and antibacterial performance
- Three-type lineup allows selection according to application and odor level

3. Performance & Characteristics

Removal Performance

Oxidatively decomposes odor molecules, bacteria, viruses, and mold components.

Safety

Formulated without chlorine-based agents, alcohol, or surfactants.

Ease of Operation

Simple application by spraying and allowing to dry naturally.

Cost Efficiency

Effective over a wide area with a small application volume.



Non-Applicable Contaminants

Solid deposits or accumulated contamination that require mechanical removal.

4. Recommended Application Areas

- Vehicle interiors (seats, headliners, floors, interior panels)
- Indoor fabrics, curtains, rugs
- Shoes, sports equipment, pet-related items
- Toilets, bathrooms, nursing-care environments, storage spaces

5. Application Method

1. Pre-clean the surface to remove dust and debris.
2. Spray the product evenly onto the target area.
3. For fabrics, lightly massage or work the product into the fibers with a cloth.
4. Allow the area to dry naturally.

6. Precautions During Application

- Not all odors or contaminants can be completely removed.
- For leather or delicate materials, always perform a test on an inconspicuous area before application.
- Excessive application may cause staining.

7. Summary of Product Properties

- Visible-light-responsive photocatalytic deodorizing and antibacterial formulation
- Three selectable types based on odor strength and application purpose
- Simple spray-and-dry application suitable for indoor and vehicle environments



8. Remarks

- Type A is suitable for daily environments and antiviral-related applications.
- This product contains no chlorine agents, alcohol, preservatives, or surfactants.
- Store away from direct sunlight and high temperatures.

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The information contained in this Technical Data Sheet is based on current technical knowledge at the time of publication.

Specifications and details are subject to change without prior notice.