

# TyphoonDUO®

**Thermal Fogging, ULV Cold Misting & Direct Spraying with Natural Pyrethrins**

## Introducing TyphoonDUO® Concentrate - A Modern Evolution in Space Treatment Technology

TyphoonDUO PRO Concentrate is a new generation professional space treatment formulation combining high-strength natural pyrethrins with advanced water-based micro emulsion technology. Developed for professional pest management operations, TyphoonDUO delivers rapid knockdown performance for crawling and flying pests through **thermal fogging, ULV cold misting** and **direct spray** applications from a single formulation.

Suitable for use in industrial, commercial, agricultural and domestic environments, TyphoonDUO provides effective treatment of ants, cockroaches, spiders, beetles, flies, mosquitoes, moths and other nuisance insects within voids, cracks, crevices and enclosed spaces.

### Multi-Application Flexibility

TyphoonDUO has been specifically developed for **thermal fogging, ULV cold misting** and **direct spray** applications from a single high-strength concentrate. For **ULV misting** and **direct spraying**, the formulation is diluted with water to form a stable micro emulsion supporting lower hazard, water-based application aligned with the Sundew ecowise® philosophy.

For thermal fogging, TyphoonDUO is combined with Sundew PROFOG™ Thermal Fogging Agent to produce a dense, fine fog with excellent penetration and extended hang time. While thermal fogging itself is not considered a fully ecowise® application method, the TyphoonDUO system has been designed to support more efficient and streamlined space treatment operations compared with traditional systems.

This multi-application capability reduces the need for multiple specialised formulations while improving operational flexibility, inventory management and application versatility for professional pest management operators.

### Water-Based Micro Emulsion Technology

TyphoonDUO utilises advanced oil-in-water micro emulsion technology where the continuous phase of the formulation is water rather than solvent. This modern formulation design supports improved stability, consistent droplet size and reliable application performance during both misting and fogging operations.

Compared with conventional solvent-heavy pyrethrum products, the TyphoonDUO formulation provides reduced solvent loading, improved handling characteristics and a more progressive formulation profile for modern pest management operations.



## PRODUCT SPECIFICATIONS

<b>Active constituent:</b>	28 g/L natural pyrethrins
<b>Formulation type:</b>	Water based micro emulsion
<b>Pack size:</b>	5 L (Order code: SUN146)
<b>Chemical group:</b>	Pyrethroid
<b>Schedule:</b>	CAUTION
<b>Pest Claims:</b>	A fast-acting insecticide with natural pyrethrin, for the control of litter beetle in poultry sheds, insect pests and spiders in warehouses, factories, kitchens, industrial buildings, domestic residences, agricultural buildings, commercial and industrial areas, and in various situations as specified in the Directions for Use.

### Key Features:

- Multi-application concentrate thermal fogging, ULV cold misting & direct spraying formulation
- 28 g/L natural pyrethrins pro-concentrate
- Advanced water-based micro emulsion technology
- PBO-free modern formulation profile
- Approximately 94% non-hazardous ingredients
- Ideal for eco-conscious treatment sites
- Non-flammable formulation (flashpoint >93°C)
- Reduced solvent loading compared with traditional formulations
- Reduced packaging, transport and storage requirements



### High-Strength 28 g/L Natural Pyrethrins Concentrate

Containing 28 g/L natural pyrethrins derived from chrysanthemum flowers, TyphoonDUO delivers significantly higher concentration compared with many conventional pyrethrum space treatment products.

This pro-concentrate design reduces product volume, packaging, transport weight and storage requirements while still delivering the required active ingredient rate during treatment applications. A 5L container of TyphoonDUO contains the equivalent pyrethrins active of approximately 35L of many standard 4 g/L pyrethrum formulations.

### PBO-Free Modern Formulation

TyphoonDUO PRO Concentrate is formulated without piperonyl butoxide (PBO), providing a cleaner and more simplified formulation profile. This supports modern pest management environments where customers are increasingly aware of the products being applied within their premises. By relying on high-strength natural pyrethrins and advanced formulation

technology rather than additional synergist chemistry, TyphoonDUO delivers strong rapid knockdown performance while reducing formulation complexity.

### Approximately 94% Non-Hazardous Ingredients

TyphoonDUO has been developed with approximately 94% non-hazardous ingredients and significantly reduced solvent loading compared with many traditional space treatment products. The formulation consists primarily of water, emulsifiers and lower hazard formulation components designed to provide improved handling characteristics, reduced odour and a cleaner overall formulation profile.

### Non-Flammable Water-Based Technology – Flashpoint Greater Than 93°C

TyphoonDUO features a non-flammable formulation profile with a flashpoint greater than 93°C, providing an important operational safety advantage for pest management professionals working within enclosed, industrial and sensitive treatment environments.

Combined with its reduced solvent loading, water-based micro emulsion technology and lower hazard profile, TyphoonDUO represents a more modern and practical approach to professional space treatment applications.

### Optimised Thermal Fogging with Sundew PROFOG™

For thermal fogging applications, TyphoonDUO is used with Sundew PROFOG Thermal Fogging Agent at a ratio of one part TyphoonDUO to two parts PROFOG. This integrated system produces a dense, ultra-fine fog with excellent suspension characteristics for effective penetration into enclosed spaces, voids and harbourage areas. PROFOG has been specifically developed to work with water-based formulations such as TyphoonDUO, delivering reliable fog generation while minimising issues associated with many glycol-based fogging systems.



## A Smarter Direction for Professional Pest Management

By combining natural pyrethrins, advanced water-based micro emulsion technology, dual application flexibility and a PBO-free formulation profile, TyphoonDUO PRO Concentrate delivers a modern approach to professional space treatment performance while supporting the evolving needs of modern pest management operations.

*“At Sundew, we know that modern pest control professionals are looking for smarter, safer, and more targeted solutions. TyphoonDUO delivers all the performance they expect from a professional-grade product – but with the natural power of natural pyrethrins. It’s the perfect fit for today’s eco-aware market.”*

– David Priddy, CEO, Sundew Solutions

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