

PROFOG[™] Thermal Fogging Agent.

Advanced Fogging Technology for Modern Pest Management

Sundew PROFOG[™] is a specialised thermal fogging agent developed to deliver high-performance space treatments across domestic, commercial, industrial and agricultural environments. Engineered specifically for use through thermal fogging equipment, PROFOG produces a dense, fine fog designed to maximise active distribution throughout enclosed spaces, voids, cracks and crevices where pests harbour.

Developed as a professional performance carrier for modern fogging systems, PROFOG enhances the delivery and suspension of insecticidal actives while supporting more efficient and effective treatment outcomes in demanding pest management environments.

Engineered Specifically for the TyphoonDUO ecowise[®] System

Sundew PROFOG has been specifically developed and optimised for use with TyphoonDUO Concentrate ecowise[®] with Natural Pyrethrin, forming an integrated thermal fogging system designed to deliver consistent, high-performance results.

The advanced surfactant technology within PROFOG enables effective interaction with TyphoonDUO's water-based microemulsion formulation,

ensuring stable mixing, reliable fog generation and consistent application performance. This compatibility is critical when combining water-based formulations with thermal fogging systems, where standard fogging agents may result in instability, separation or reduced fog quality.

For optimal performance, reliability and consistency in thermal fogging applications, TyphoonDUO should be used exclusively with Sundew PROFOG as part of the complete Sundew system.

Professional Thermal Fogging Performance

Sundew PROFOG is designed to generate an ultra-fine, dense fog capable of distributing insecticidal actives deep into difficult-to-reach treatment zones. This fine particle size improves penetration into harbourage areas including wall voids, structural cavities, enclosed spaces and inaccessible cracks and crevices where insects may hide or breed.

Its performance characteristics make PROFOG particularly suited to applications across warehousing, food processing facilities, grain silos, agricultural buildings, vector control programs and general industrial pest management situations where thorough space treatment is essential.



PRODUCT SPECIFICATIONS

- | | |
|----------------------------|--|
| Active constituent: | Contains up to 10% ethoxylated alcohol |
| Formulation type: | Thermal fogging agent |
| Pack size: | 5 L (Order code: SUN160) |
| Schedule: | CAUTION |
- Claims:** Compatible across broad range of formulation types used through thermal fogging equipment, including EC, EW, ME, SL and DC formulations. In addition to insecticide applications, PROFOG is also compatible with many water-based disinfectants and sanitising solutions including glutaraldehyde, peracetic acid and formaldehyde-based products.
- Key Features:**
- Professional high-performance thermal fogging agent
 - Ultra-fine dense fog for deep penetration
 - Advanced ethoxylated alcohol surfactant system for formulation compatibility
 - Suitable for insecticides, disinfectants and sanitisers
 - Non-flammable formulation (flashpoint >96°C)
 - Optimised for TyphoonDUO Concentrate ecowise
 - Reduced slippery residues compared to glycol systems
 - Supports modern, efficient lower hazard pest management systems



Extended Hang Time for Improved Treatment Efficiency

The effectiveness of thermal fogging is heavily influenced by how long insecticide particles remain suspended within the treatment environment. PROFOG has been engineered to produce a thick, stable fog with extended airborne suspension, increasing exposure time between the active ingredient and target pests.

This extended hang time enhances treatment effectiveness against both flying and crawling insects while improving penetration throughout enclosed spaces. Compared with water-only dilution, which can result in rapid settling and reduced coverage, PROFOG delivers a more consistent and effective fogging profile.

Advanced Surfactant Technology for Formulation Compatibility

PROFOG incorporates an advanced ethoxylated alcohol surfactant system designed to support compatibility across a wide range of pesticide formulations. This allows PROFOG to interact effectively with both aqueous and oil-based products, including microemulsions, emulsifiable concentrates and other water-based systems.

This formulation flexibility enables operators to achieve reliable fogging performance while supporting the use of modern lower solvent and water-based formulations such as TyphoonDUO ecowise[®].

Broad Formulation Compatibility Across Multiple Industries

Sundew PROFOG[™] has been developed to provide exceptional compatibility across a broad range of formulation types used through thermal fogging equipment, including EC (Emulsifiable Concentrate), EW (Emulsion in Water), ME (Microemulsion), SL (Soluble Liquid) and DC formulations. In addition to insecticide applications, PROFOG is also compatible with many water-based disinfectants and sanitising solutions including glutaraldehyde, peracetic acid and formaldehyde-based products.

This versatility allows PROFOG to be utilised across a wide variety of applications including industrial facilities, commercial premises, food processing plants, domestic pest control, agriculture, grain silos, vector control programs, shipping holds, shipping containers, warehouses and general hygiene and sanitation programs where effective thermal fogging performance and deep space penetration are required.

Non-Flammable Formulation for Improved Operational Safety

PROFOG features a high flashpoint formulation, with a flashpoint greater than 96°C, and is classified as non-flammable. This provides an important safety advantage for pest management professionals operating within enclosed, commercial and industrial environments where flammability concerns may exist. The formulation has been engineered to deliver high-performance fogging characteristics while maintaining a practical and manageable operational safety profile for professional use.

Reduced Residue Compared to Glycol-Based Systems

Unlike glycol-based fogging agents that leave slippery surfaces or persistent residues after treatment, PROFOG has been developed to minimise these issues while maintaining optimal fogging performance.

This results in a cleaner and more practical fogging system suitable for use across a broad range of professional pest management environments where operational safety, presentation and post-treatment clean-up are important considerations.

Better Performance. Better Value.

Designed for the Way Modern Pest Control Works

“PROFOG was developed to give pest management professionals greater control over fog quality, hang time and formulation flexibility across a wide range of applications. Its advanced surfactant technology allows it to work effectively with modern water-based and conventional formulations, helping operators achieve consistent fogging performance and more effective active delivery in the field. By producing a finer, longer-lasting fog with excellent penetration into enclosed spaces and harbourage areas, PROFOG supports more efficient and reliable thermal fogging performance across industrial, commercial, agricultural and pest management environments.”

- David Priddy, CEO, Sundew Solutions

® TyphoonDUO and PROFOG are registered trade marks of Sundew Solutions Pty Ltd.

