



Chemzone

MANUFACTURERS OF SPECIALIZED CLEANING DETERGENTS FOR ALL INDUSTRY TYPES.

Product Label & Data Sheet

Identification of the substance/preparation and of the company

PRODUCT CODE: ECO05

Blue Mac Portable Toilet Fluid

Proprietary Blend Natural Organic Formulation for Portable
Toilet Systems (*Formaldehyde free*)

Cleaner Greener Smarter



Proprietary Blend Natural Organic Formulation for *Portable Toilet Systems* (*Formaldehyde free*)

BLUE MAC Portable Toilet Fluid is designed for use in portable toilets including: -

- Construction site toilets,
- Caravans, trains and busses
- Marine vessels,
- VIP portable mobile toilets
- Underground portable toilet in mines
- Events (music, sport)

To accelerate the degradation of organic matter and provide exceptional bacteristatic and disinfectant properties for these applications.

By harnessing nature's own technologies and importantly moving away from harsh, dangerous and health risk chemicals such as **formaldehyde derivatives** Managed Care Economical Solutions introduces a natural organic biological solution that is eco friendly, safe, holds no health risk for both the user of a toilet or the manufacturer and service agent to portable toilets.

Product Data:

BLUE MAC Portable Toilet Fluid is a sanitation solution that demonstrates superior performance. The toilet fluid exhibits a broad range of degradation capabilities needed for improving septic and waste degradation, cleaning, and odour control and bacteristatic effects of commonly found bacteria in solid waste.

BLUE MAC Portable Toilet Fluid produces rapid degradation of waste in septic systems and cleans surfaces. This disinfectant, bacteristatic solution is the next generation technology in sanitation with degradation capability superior to the present commercially available formaldehyde blends.

Product Benefits:-

BLUE MAC Portable Toilet Fluid is designed to provide exceptional performance keeping portable toilets hygienic, clean and the system trouble free:

- The proprietary blend natural organic food source as the active ingredient improves system stability and enjoys proven bacteristatic efficacy against E-coli, S.typhi and P. Vulgaris the most common and harmful bacteria found in portable toilets
- The superior surfactant added to the proprietary blend in 1000 ppm is an effective disinfectant and reduces the frequency of cleaning the holding tank
- Provides long-term odour control by containing the organics that cause bad odour and also eliminates odours due to organic build-up

• **Septic and waste treatment** – **BLUE MAC Portable Toilet Fluid** maintains effective activity in septic systems. Eliminates odours caused by incomplete digestion of malodorous volatile fatty acids.

• **Odour controller** – **BLUE MAC Portable Toilet Fluid** Provides long-term odour control, containing the organics that cause odours and prevents the return of odour-causing compounds for up to 5 – 7 days prior to emptying.

• **Wastewater Treatment Plant** – Independent laboratory studies have proven that Blue Mac Portable Toilet Fluid has exceptional bacteristatic performance against E. coli and Total Coliforms and has demonstrated effective antiseptic cleaning activity in septic systems (Waste water sludge). The active ingredient first has a negative and sterilised impact on the bacteriological growth in the toilet bucket and after mixing into the Wastewater Treatment Plant it reacts as a carbon source to the micro organism for biological break down.

Product Features:-

- Proven bacteristatic efficacy against E-coli, S.typhi and P. Vulgaris as per SABS SANS test method 5730
- A stable propriety blend of natural organic food source that is environmentally friendly and totally biodegradable (independent laboratory analysis)
- Provides a wide range of degradation capabilities
- Ability to work under aerobic and anaerobic conditions
- An effective antiseptic cleaning activity in wastewater sludge

BLUE MAC Portable Toilet Fluid

Recommended Application Feed Rates

Ready-to-Use Formulation

| Portable Toilet Systems | | | |
|--|--------------------------|-----------------------------|--|
| System | FREQUENCY | NOTES | DOSING* |
| Portable Toilets RV's, Busses, Marine, Aviation and Bucket systems | Add after every emptying | Maximum duration 5 – 7 days | Deposit one litre into holding tank with 20 litres water |
| Portable toilet Maintenance | Ongoing | | Deposit one litre into holding tank with 20 |

| | | | |
|--|--|--|--------------|
| | | | litres water |
|--|--|--|--------------|

Product Availability: -

BLUE MAC Portable Toilet Fluid is available in 25, 200 and 1000 litre containers and can be delivered in bulk by tanker.

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Product Comparison

Conventional Formaldehyde Products vs. Blue Mac Portable Toilet Fluid

| | |
|---|--|
| Formaldehyde is a VOC which masks the foul odour | Blue Mac will remove the organics that cause the odour |
| As a VOC formaldehyde is over powering and often causes breathing problems, shortness of breath and will often bring tears to your eyes when in the confined space of a portable toilet | Blue Mac has a pleasant fresh fragrance that provides a refreshing environment to be in. |
| Within a short while the fragrance combined with effluent odour makes it unbearable for visitors to the portable toilet | Blue Mac leaves the toilet smelling fresh and clean for up-to 7 days |
| Formaldehyde has a short lifespan | Blue Mac will remain effective for the duration required in a portable toilet 5 – 7 days prior to emptying (total days to emptying as specified by municipal regulations) |
| Formaldehyde is inexpensive. However this cost can be increased due to its short lifespan and being ineffectual when diluted more than recommended | Blue Mac cost per litre is the same as that of formaldehyde yet is more cost effective |
| Average usage is 1 liter per emptying | Same |
| Formaldehyde is considered a health risk in many developed countries and by the World Health Organization (well documented) It is also banned in most developed countries | Blue Mac is a natural, biodegradable, organic food source combined with a surfactant, fresh fragrance and food colorant |

| | |
|---|---|
| Formaldehyde is a harsh chemical that will destroy the natural bacteria in healthy sewerage systems | Blue Mac enhances eco systems |
| Not been proven by local suppliers of Formaldehyde | Blue Mac • Proven bacteristatic efficacy against E-coli, S.typhi and P. Vulgaris as per SABS SANS test method 5730 |
| Formaldehyde is at best a masking agent and a definitive VOC | Blue Mac has the ability to work under aerobic and anaerobic conditions |
| Formaldehyde beaks down the systems biological stability | Blue Mac improves the system's biological stability |
| Formaldehyde cannot make the same claims as it is not cleaner, greener or smarter | Blue Mac is Cleaner, Greener and Smarter |
| Formaldehyde has been used for years with no SABS standard | Blue Mac is a new innovation which means that even though Formaldehyde has been around for a long time Blue Mac is the right product to use |