

Data Sheet BITUMIS-PP-15

BIOCIDE FOR CLASS A DRILLING

- Highly effective: controls and eliminates bacteria, algae and fungi at low doses.
- Highly resistant to the inhibition effects of most organic or inorganic compounds.
- Applicable in a wide range of industrial processes.
- It is not oxidizing.

Main uses

BITUMIS-PP-15 has been specially formulated for use, in microbiological control or preservation, in industrial processes and systems such as: recirculating, closed and single-step cooling water and training waters.

General description

BITUMIS-PP-15 is a liquid biocide composed of a solution of isotioazolines and inerts, with the following characteristics:

Color:	Colourless to greenish-yellow
Odor:	Characteristic
Specific gravity:	1,000 - 1,050 at 25 °C
pH at 100%:	3,00 – 4,00 at 25 °C
Solubility:	100 % in water

Dose

The **BITUMIS-PP-15** dose varies according to the severity of microbiological contamination and the type of microorganism. In general it is recommended:

- Control of aerobic and anaerobic bacteria: apply 35 – 200 ppm once a week. In the case of purges or very high losses, repeat the dose 2 or 3 times per week.
- Fungal control: apply 100 – 200 ppm once a week. If the system is highly contaminated, repeat the dose 2 or 3 times a week for 8 weeks. Then apply the normal dose.
- Algae control: apply 50 – 150 ppm per week. It can also be applied once every 15 days, but it's necessary to maintain a product residual, equivalent to half the recommended dose, for at least 8 hours.

In any case, the Technical Representative of **Bitumis®** will advise you on the establishment of the appropriate dose to your process or system.

How to use and feed

BITUMIS-PP-15 should be fed at a point of good agitation and distribution so that it spreads rapidly into the system.

For the feeding of **BITUMIS-PP-15** it is recommended to use pumps and equipment of stainless steel, plastic or other corrosion resistant material.

Dispatch and storage

BITUMIS-PP-15 is dispatched on net 208-litre plastic drums. It is recommended not to store it for more than a year.

Handling and safety

BITUMIS-PP-15 it should be handled as a corrosive product: it causes damage to the skin and eyes. Don't ingest him, don't breathe his vapours. Driving like a dangerous product: wear rubber gloves, lenses and safety boots. The product can be absorbed by the skin.

In case of ingestion, medical treatment is required:

- Don't induce vomiting. Quickly drink plenty of milk, egg white, gelatin or plenty of water.
- Call or bring the doctor urgently. If you breathe your vapours take the person to a ventilated place. If there is no breathing, apply artificial respiration.

- If breathing is difficult, apply oxygen. In case of skin contact wash with plenty of soap and water. Remove contaminated clothing. In case of eye contact wash with plenty of water for fifteen minutes. Call a doctor urgently.

Note to doctor

- Gastric lavage is not recommended due to likely mucosal damage.
- It is recommended to take action against circulatory shocks.
- Respiratory depressions may be needed.

"The application or methods of handling, storing, using and disposition of the product and/or its packaging are beyond our control, therefore the company does not assume and is unaware of any liability for loss, damage or other situation that is related to the handling, use or disposal of the product and its packaging. The company assumes no liability for damage to the buyer or third parties caused by abnormal use of the material and/or its packaging, even in accordance with reasonable safety procedures. The data provided was obtained from reliable sources, however, no warranty is expressed or implied with respect to the accuracy of this data or the results obtained from the use of the material." ESCOL Chemicals, NIT: 900 704 325 - 5

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