



Fomtec® EnviroSenze 2500

FOMTEC EnviroSenze 2500

EnviroSenze 2500 is an environmentally friendly proportioning test liquid with non-foaming properties. It is designed to be used when testing and commissioning foam systems. The proportioning test liquid has been designed to have similar flow behavior as traditional foam concentrate but has no foaming agents inside.

- Proportioning test liquid
- Non-foaming
- Environmentally friendly – 100% biodegradable
- Measure induction ratio



DESCRIPTION

The proportioning test liquid can be used to determine induction ratio by conductivity measurements. The same proportioning test liquid can be used for 1%, 3% and 6% systems. The lower detection limit is around 0,2% induction using ordinary tap water. The viscosity of EnviroSenze 2500 is set to be around 2500 mPas. This mimics a typical pseudoplastic foam concentrate with viscosity around 2500 mPas. The viscosity is approximate and can vary from batch to batch. Since viscosity also changes by temperature it is advisable to always measure the viscosity of the proportioning test liquid before use.

APPLICATION

Use the proportioning test liquid instead of an ordinary foam concentrate to set-up and trim a foam system to the right induction ratio. The proportioning test liquid is non-foaming and, hence, easy to handle after use. The proportioning test liquid is fully biodegradable.

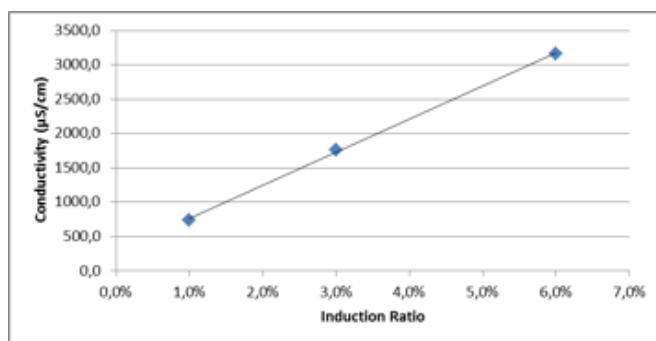
The proportioning test liquid can be used for 1% to 6% systems to check induction ratio by conductivity.

COMPATIBILITY

Contact one of the Fomtec sales team with questions. For material compatibility please refer to Fomtec Technical Advices FTA 20 addressing the topic.

INDUCTION RATIO

The proportioning test liquid can be used to measure induction ratio over a wide range of mixing ratios. The figure below shows the conductivity and a calibration curve for 1%, 3% and 6% solutions in tap water.



Linear regression of the above curve gives a R-value of 0,9995 which is almost identical to a straight line for which the R-value is 1,000. If the linear regression gives a R-value below 0,9800 it is advisable to do new calibration solutions. The lower mixing ratio limit in this case is about 0,2%. By using brackish or sea water the resolution will decrease. This must be checked from case to case. By measuring the conductivity of premix solution coming out from a system when released the induction ratio can be calculated by using the above calibration curve. The good R-value will give good precision in the measurement.

TYPICAL DATA

| | |
|---------------------------------|------------------------|
| Appearance | Clear yellowish liquid |
| Specific gravity at 20°C | 1,04 +/- 0,01 g/ml |
| Viscosity at 20°C | ≤ 2500 mPas |
| pH | 6,5 – 8,5 |
| Freezing point | -0°C |
| Recommended storage temperature | -0 - 55°C |
| Suspended sediment (v/v) | Less than 0,2% |

DISPOSAL OF PREMIX SOLUTION

EnviroSenze 2500 has been designed with ingredients suitable for discharge in sewers and drains as a premix from a system testing. The disposal in sewers and drains need to be checked with local authorities to obtain a permission for this before it is done. A special MSDS is available for a 6% premix solution of EnviroSenze 2500 to present for authorities that represents a worst-case scenario of the premix solution. For more detailed information please consult Fomtec Technical Advices FTA 40.

STORAGE / SHELF LIFE

Stored in original unbroken packaging the product will have a long shelf life, at least 2 years in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions. If the product is frozen during storage or transport, thawing will render the product completely usable. We recommend following our guidelines Fomtec Technical Advices FTA 10 for storage and handling ensuring favourable storage conditions.

PACKAGING

We supply this product in 25 litre cans and 200 litre drums. We can also ship in 1000 litre containers or in bulk.

| Litres per piece | Packaging | Part no |
|------------------|-----------------|------------|
| 25 litres | Can | 14-9003-01 |
| 200 litres | Drum | 14-9003-02 |
| 1000 litres | Container | 14-9003-04 |
| Bulk | Special request | |