



Shieer BWC-D® Datasheet
See Safety-Data Sheet, as well as Fresenius report
For the fermentation process

The carbon, nitrogen and phosphorus ratio should be 50C-10N-1P.
All processes are limited by the CNP ratio 49-9 to 1.

Shieer BWC-D liquefies the substrate in the fermenters.
Multi-resistant germs are inhibited in growth.
The required enzymes are included in BWC-D.

Sulfur components are bound by the Shieer iron chelate and serve as a growth surface for sulfofibro and methanopseudomonas organisms.

The reference value of the gas-air mixture should be 46%. This corresponds to 14% hydrocarbon concentration.

1. The amount of substrate should not exceed 5 To biomass per 100 kw electrically.

Dosage: 100 CC BWC-D per ton of substrate
 100 CC Shieer iron chelate per ton of substrate

2. The operating temperature should reach 44 ° C (thermophilic)

3. The gas concentration reaches up to 63% methane plus 8% noble gases, and 29% CO₂ so carbon dioxide in the maximum depending on the CNP ratio of the substrate

4. The agitators should rotate constantly in the fermenter. The agitators should be positioned near the ground, with the electrical power to be 7 kw / h dimensioned.

5. With the aforementioned dimensioning, the motors run at 100% rated power.

6. Shieer-Olein should be used in the engine oil. This makes it possible to change oil after 1200 / h.

7. Shieer Bio-Clean can be used as an additive to the growth of Pseudomonas.

8. The product has been used worldwide since 1989, unchanged in the matrix. It does not contain any metals that can not get into the food chain, like nickel and so on.

9. When placed on agricultural land, no burns were observed on plants (such as grasses).
To compile the CNP ratio, we also supply a liquid component as C, or N source on request.

Our research results are hereby copyrighted.