



ODYVAP VB 61

SCALING AND CORROSION INHIBITORS FOR STEAM GENERATORS AND ANNEXES

PURPOSES

Our mixture is particularly intended for conditioning water from steam generators supplied by demineralised, osmosed or merely softened water.

The risks incurred when the physico-chemical parameters of water are modified are the following :

- SCALING which results in a decrease of heat exchange which can cause local overheating or defects in the security mechanisms.

- CORROSION (by pitting, by differential aeration, pH range, ...) can be localised both under the water level and in the entire steam system and condensates.

To these two phenomena we can add that of PRIMING (priming of water with steam) that can be the result of faulty heat exchanges, pollution of finished products when there is direct contact with steam, deposits on turbine blades, etc.

It's a phosphate based product that makes it possible to limit the phenomena of the precipitation of salts in scaling for, and to stop corrosion phenomena.

AFSSA COMPLIANT : It complies in the opinion of AFSSA (French Agency of Health Security of Food) concerning the use of substances in boiler providing steam of water which enter in direct contact with foodstuffs.

FDA COMPLIANT : It only contains raw materials approved by the FDA (Food and Drug Administration) legislation paragraph 21 CFR 173.310 concerning all the authorized substances for the treatment of generators where the steam is in direct contact with foodstuffs.

BENEFITS

Solution ready to use without prior dilution, injected proportionally to the make-up (subserving to an impulse meter).

Compatible with a solution containing sulphites.

Easy treatment control.

Respect the standards of rejection if used at the recommended quantity.

INJECTION

The implementation of our mixture will be done through a dosing station proportionate to the make-up water which makes it possible to considerably reduce the time devoted to the implementation of the water treatment of steam generators.

It will be injected at the rate of : 375/N

Where N is the permissible rate of concentration rate in the boiler in view of builder instructions as well as the quality of the make-up water

Thereafter, the dosage will be adjusted to obtain the desired content PO₄ in boiler.

In order to ensure proper implementation of the product, you can use an analysis kit provided by us. Contact us for further information.

In the absence of builder instructions, the analyses of water required for proper operation of an installation and for the control of the product are summarised here after :

- Softened water : TH < 0,2 °f
- Feed water : pH > 8,0
- Boiler : 9,5 < pH < 12,0
TH = 0 ppm
TAC < 1200 ppm
40 mg/L < Phosphates < 60 mg/L
- Condensate : Cond. < 50 µS/cm

Additional analyses can however be carried out. Please consult us.

HANDLING & STORAGE

It is recommended to take customary precautions while handling chemicals (gloves, glasses ...). Consult the Safety Data Sheet (SDS).

The products must be kept away from frost.

CHARACTERISTICS

Physical	Liquid
Color :	Colorless
Odor :	Odorless
pH :	12,6



PACKAGING

It is available in 20, 210 and 800 kg, non returnable plastic drums.

For any other packaging please contact us.



Note : Do not mix the undiluted product with other chemical compounds without consulting us first.

The information and recommendations contained in this instruction manual are based upon our joint work with our customers and our current knowledge. They are provided merely as an indication and do not constitute an obligation of result. Date : 30/11/2021.



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